

The Future Was Here The Commodore Amiga Platform Studies

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Game Studies Benjamin Beil 2017-11-06 Das Lehrbuch bietet einen zugänglichen und umfassenden Überblick über die grundlegenden Ansätze der interdisziplinär ausgerichteten Game Studies. Durch die übersichtliche Einteilung in die Themenbereiche Spiele, Schnittstellen und Spieler empfiehlt es sich sowohl als Grundlage für kultur-, medien- und filmwissenschaftliche Seminare wie auch als kompakte Einführung für Quereinsteiger. Die wichtigsten Felder, Ansätze und Methoden dieser neuen, vielschichtigen und hochgradig dynamischen Disziplin werden anhand zentraler Begriffe vorgestellt und anschaulich an ausgewählten Beispielen entwickelt. Einen besonderen aus kultur-, medien- und filmwissenschaftlicher Perspektive relevanten Schwerpunkt bilden die bisher wenig beachteten ästhetischen Zugänge zur audiovisuellen Gestaltung der Videospiele.

Respawn Colin Milburn 2018-11-15 In Respawn Colin Milburn examines the connections between video games, hacking, and science fiction that galvanize technological activism and technological communities. Discussing a wide range of games, from Portal and Final Fantasy VII to Super Mario Sunshine and Shadow of the Colossus, Milburn illustrates how they impact the lives of gamers and non-gamers alike. They also serve as resources for critique, resistance, and insurgency, offering a space for players and hacktivist groups such as Anonymous to challenge obstinate systems and experiment with alternative futures. Providing an essential walkthrough guide to our digital culture and its high-tech controversies, Milburn shows how games and playable media spawn new modes of engagement in a computerized world.

Flash Anastasia Salter 2014-08-29 How Flash rose and fell as the world's most ubiquitous yet divisive software platform, enabling the development and distribution of a world of creative content. Adobe Flash began as a simple animation tool and grew into a multimedia platform that offered a generation of creators and innovators an astonishing range of opportunities to develop and distribute new kinds of digital content. For the better part of a decade, Flash was the de facto standard for dynamic online media, empowering amateur and professional developers to shape the future of the interactive Web. In this book, Anastasia Salter and John Murray trace the evolution of Flash into one of the engines of participatory culture. Salter and Murray investigate Flash as both a fundamental force that shaped perceptions of the web and a key technology that enabled innovative interactive experiences and new forms of gaming. They examine a series of works that exemplify Flash's role in shaping the experience and expectations of web multimedia. Topics include Flash as a platform for developing animation (and the “Flashimation” aesthetic); its capacities for scripting and interactive design; games and genres enabled by the reconstruction of the browser as a games portal; forms and genres of media art that use Flash; and Flash's stance on openness and standards—including its platform-defining battle over the ability to participate in Apple's own proprietary platforms. Flash's exit from the mobile environment in 2011 led some to declare that Flash was dead. But, as Salter and Murray show, not only does Flash live, but its role as a definitive cross-platform tool continues to influence web experience.

Kunstwerk Computerspiel – Digitale Spiele als künstlerisches Material Stephan Schwingeler 2014-09-30 Mit »Kunstwerk Computerspiel« liegt die erste fundierte kunstwissenschaftliche Untersuchung der Gattung Computerspiel vor. Stephan Schwingeler untersucht die medialen Eigenschaften digitaler Spiele grundsätzlich und beleuchtet ihre Verbindung zur Kunst anhand von auf den Spielen basierenden Kunstwerken. Er geht den verschiedenen Ansatzpunkten nach, mit denen meist kommerzielle Computerspiele durch einen modifizierenden Eingriff als künstlerisches Material genutzt werden. Durch die Analyse der Kunstwerke unter medientheoretischen und bildwissenschaftlichen Gesichtspunkten zeigt sich das Potenzial des Computerspiels, Kunstwerke hervorzubringen. Mit einem Vorwort von Peter Weibel.

Introduction to Game Analysis Clara Fernández-Vara 2014-07-17 Game analysis allows us to understand games better, providing insight into the player–game relationship, the construction of the game, and its sociocultural relevance. As the field of game studies grows, videogame writing is evolving from the mere evaluation of gameplay, graphics, sound, and replayability, to more reflective writing that manages to convey the complexity of a game and the way it is played in a cultural context. Introduction to Game Analysis serves as an accessible guide to analyzing games using strategies borrowed from textual analysis. Clara Fernández-Vara’s concise primer provides instruction on the basic building blocks of game analysis—examination of context, content and reception, and formal qualities—as well as the vocabulary necessary for talking about videogames’ distinguishing characteristics. Examples are drawn from a range of games, both digital and non-digital—from Bioshock and World of Warcraft to Monopoly—and the book provides a variety of exercises and sample analyses, as well as a comprehensive ludography and glossary.

The Art of Subtraction Bruno Lessard 2017 Cover -- Copyright page -- Contents -- Acknowledgments -- Introduction -- 1 Back to the Future: The Rise of CD-ROM -- 2 In the Realm of Digital Heterotopias: Exploring CD-ROM Space -- 3 A Sensuous Gaze: Interactive Chronophotography and Relation-Images -- 4 A Cinema of One's Own: The Mediumistic Performance of the Female Body -- 5 Spaces of Desire: Mapping and Translating Lesbian Reality -- 6 In Search of Lost Space: Photographic Memories and the Digital Punctum -- Conclusion -- Notes -- Bibliography -- Index *Selling Digital Music, Formatting Culture* Jeremy Wade Morris 2015-09-01 Selling Digital Music, Formatting Culture documents the transition of recorded music on CDs to music as digital files on computers. More than two decades after the first digital music files began circulating in online archives and playing through new software media players, we have yet to fully internalize the cultural and aesthetic consequences of these shifts. Tracing the emergence of what Jeremy Wade Morris calls the “digital music commodity,” Selling Digital Music, Formatting Culture considers how a conflicted assemblage of technologies, users, and industries helped reformat popular music’s meanings and uses. Through case studies of five key technologies—Winamp, metadata, Napster, iTunes, and cloud computing—this book explores how music listeners gradually came to understand computers and digital files as suitable replacements for their stereos and CD. Morris connects industrial production, popular culture, technology, and commerce in a narrative involving the aesthetics of music and computers, and the labor of producers and everyday users, as well as the value that listeners make and take from digital objects and cultural goods. Above all, Selling Digital Music, Formatting Culture is a sounding out of music’s encounters with the interfaces, metadata, and algorithms of digital culture and of why the shifting form of the music commodity matters for the music and other media we love.

Playback – A Genealogy of 1980s British Videogames Alex Wade 2016-10-20 Through interviews with developers, gamers, and journalists examining the phenomena of bedroom coding, arcade gaming, and format wars, mapped onto enquiry into the seminal genres of the time including driving, shooting, and maze chase, Playback: A Genealogy of 1980s British Videogames examines how 1980s Britain has become the culture of work in the 21st century and considers its meaning to contemporary society. This crucial and timely work fills a lacuna for students and researchers of sociology, media, and games studies and will be of interest to employees of the videogames and media industries. Research into videogames have never been greater, but exploration of their historic drivers is as elided as the technology is influential, giving rise to a range of questions. What were the social and economic conditions that gave rise to a billion dollar industry? What were the motivations of the early 'bedroom coders'? What are the legacies of the seminal videogames of the 1980s and how do they inform the current social, political and cultural landscape? With a focus on the characteristics of the UK videogame industry in the 1980s, Wade explores these questions from perspectives of consumption, production and leisure, outlining the construction of a habitus unique to this time.

Dropping out of Socialism Juliane Fürst 2016-12-13 This multidisciplinary collection of essays examines alternative subcultures in Eastern Europe and the Soviet Union during the era of late socialism. The contributors analyze how these marginal communities rejected mainstream socialist culture, sought ideological and physical space from the state, and contributed to the demise of the USSR.

Bits and Pieces Kenneth B. McAlpine 2018-11-15 Bits and Pieces tells the story of chiptune, a style of lo-fi electronic music that emerged from the first generation of video game consoles and home computers in the late 1970s and early 1980s. Through ingenuity and invention, musicians and programmers developed code that enabled the limited hardware of those early 8-bit machines to perform musical feats that they were never designed to achieve. In time, that combination of hardware and creative code came to define a unique 8-bit sound that imprinted itself on a generation of gamers. For a new generation of musicians, this music has currency through the chiptscene, a vibrant musical subculture that repurposes obsolete gaming hardware. It's performative: raw and edgy, loaded with authenticity and driven by a strong DIY ethic. It's more punk than Pac-Man, and yet, it's part of that same story of ingenuity and invention; 8-bit hardware is no longer a retired gaming console, but a quirky and characterful musical instrument. Taking these consoles to the stage, musicians fuse 8-bit sounds with other musical styles - drum'n'bass, jungle, techno and house - to create a unique contemporary sound. Analyzing musical structures and technological methods used with chiptune, Bits and Pieces traces the simple beeps of the earliest arcade games, through the murky shadows of the digital underground, to global festivals and movie soundtracks.

Software Takes Command Lev Manovich 2013-07-04 Offers the first look at the aesthetics of contemporary design from the theoretical perspectives of media theory and 'software studies'.

EA Sports FIFA Raiford Guins 2022-07-14 If there is anything close to a universal game, it is association football, also known as soccer, football, fussball, fútbol, fitba, and futetol. The game has now moved from the physical to the digital – EA’s football simulation series FIFA – with profound impacts on the multibillion sports and digital game industries, their cultures and players. Throughout its development history, EA’s FIFA has managed to adapt to and adopt almost all video game industry trends, becoming an assemblage of game types and technologies that is in itself a multi-faceted probe of the medium’s culture, history, and technology. EA Sports FIFA: Feeling the Game is the first scholarly book to address the importance of EA’s FIFA. From looking at the cultures of fandom to analyzing the technical elements of the sport’s simulation and covering the implications of EA’s FIFA’s has with gender, embodiment and masculinity, this collection provides a comprehensive understanding of a video game series that is changing the way the most popular sport in the world is experienced. In doing so, the book serves as a reference text for scholars in many disciplines, including game studies, sociology of sports, history of games, and sports research.

Peripheral Vision Zabet Patterson 2015-07-24 How the S-C 4020—a mainframe peripheral intended to produce scientific visualizations—shaped a series of early computer art projects that emerged from Bell Labs. In 1959, the electronics manufacturer Stromberg-Carlson produced the S-C 4020, a device that allowed mainframe computers to present and preserve images. In the mainframe era, the output of text and image was quite literally peripheral; the S-C 4020—a strange and elaborate apparatus, with a cathode ray screen, a tape deck, a buffer unit, a film camera, and a photo-paper camera—produced most of the computer graphics of the late 1950s and early 1960s. At Bell Laboratories in Murray Hill, New Jersey, the S-C 4020 became a crucial part of ongoing encounters among art, science, and technology. In this book, Zabet Patterson examines the extraordinary uses to which the Bell Labs SC-2040 was put between 1961 and 1972, exploring a series of early computer art projects shaped by the special computational affordances of the S-C 4020. The S-C 4020 produced tabular data, graph plotting and design drawings, grid projections, and drawings of axes and vectors; it made previously impossible visualizations possible. Among the works Patterson describes are E. E. Zajac’s short film of an orbiting satellite, which drew on the machine’s graphic capacities as well as the mainframe’s calculations; a groundbreaking exhibit of “computer generated pictures” by Béla Julesz and Michael Noll, two scientists interested in visualization; animations by Kenneth Knowlton and the Bell Labs artist-in-residence Stan VanderBeek; and Lillian Schwartz’s “cybernetic” film Pixillation. Arguing for the centrality of a peripheral, Patterson makes a case for considering computational systems not simply as machines but in their cultural and historical context.

The Media Snatcher Carl Therrien 2019-10-08 An in-depth exploration of a neglected video game platform of the 1990s and a reflection on the way we construct the cultural history of video games. In The Media Snatcher, Carl Therrien offers an in-depth exploration of NEC’s PC Engine/TurboGrafx-16, a little-studied video game platform released in the late 1980s.

The PC Engine was designed to bring technological expandability to the world of game consoles; The Media Snatcher’s subtitle evokes some of the expansions and the numerous rebranded versions of the system released by NEC, including the first CD-ROM add-on in video game history. The platform makers hoped that expandability would allow its console to remain at the cutting edge and even catch up with such perceptually rich media as cinema and anime. More than a simple shape-shifter, the PC Engine became a media snatcher. Therrien examines the multidirectional interactions of video game technologies, commercial structures, and cultural dynamics. He considers, among other things, hyperbolic marketing and its impact on how we construct video game history; glitches, technological obsolescence, and the difficulty of conducting media archaeology of the recent past; the emergence of male-centered power fantasies through audiovisual rewards; the rise of original genres such as visual novels; and the sustained efforts to integrate PC Engine software in the sprawling media landscape of Japan (where the PC Engine found much of its success). Avoiding the usual techno-industrial glorification, Therrien recounts the bold technological aspirations of the platform makers and the struggles to make the actual technology realize its potential.

Game After Raiford Guins 2014-01-24 A cultural study of video game afterlife, whether as emulation or artifact, in an archival box or at the bottom of a landfill. We purchase video games to play them, not to save them. What happens to video games when they are out of date, broken, nonfunctional, or obsolete? Should a game be considered an “ex-game” if it exists only as emulation, as an artifact in museum displays, in an archival box, or at the bottom of a landfill? In Game After, Raiford Guins focuses on video games not as hermetically sealed within time capsules of the past but on their material remains: how and where video games persist in the present. Guins meticulously investigates the complex life cycles of video games, to show how their meanings, uses, and values shift in an afterlife of disposal, ruins and remains, museums, archives, and private collections. Guins looks closely at video games as museum objects, discussing the recontextualization of the Pong and Brown Box prototypes and engaging with curatorial and archival practices across a range of cultural institutions; aging coin-op arcade cabinets; the documentation role of game cartridge artwork and packaging; the joy of a game from flawed product to trash to memorialized relic, as seen in the history of Atari’s infamous E.T. The Extra-Terrestrial; art conservation, restoration, and re-creation stories told by experts including Van Burnham, Gene Lewin, and Peter Takacs. The afterlife of video games—whether behind glass in display cases or recreated as an iPad app—offers a new way to explore the diverse topography of game history.

The Modem World Kevin Driscoll 2022-04-19 The untold story about how the internet became social, and why this matters for its future "Whether you're reading this for a nostalgic romp or to understand the dawn of the internet, The Modem World will delight you with tales of BBS culture and shed light on how the decisions of the past shape our current networked world."--danah boyd, author of It's Complicated: The Social Lives of Networked Teens Fifteen years before the commercialization of the internet, millions of amateurs across North America created more than 100,000 small-scale computer networks. The people who built and maintained these dial-up bulletin board systems (BBSs) in the 1980s laid the groundwork for millions of others who would bring their lives online in the 1990s and beyond. From ham radio operators to HIV/AIDS activists, these modem enthusiasts developed novel forms of community moderation, governance, and commercialization. The Modem World tells an alternative origin story for social media, centered not in the office parks of Silicon Valley or the meeting rooms of military contractors, but rather on the online communities of hobbyists, activists, and entrepreneurs. Over time, countless social media platforms have appropriated the social and technical innovations of the BBS community. How can these untold stories from the internet's past inspire more inclusive visions of its future?

The Stuff of Bits Paul Dourish 2017-05-05 An argument that the material arrangements of information—how it is represented and interpreted—matter significantly for our experience of information and information systems. Virtual entities that populate our digital experience, like e-books, virtual worlds, and online stores, are backed by the large-scale physical infrastructures of server farms, fiber optic cables, power plants, and microwave links. But another

domain of material constraints also shapes digital living: the digital representations sketched on whiteboards, encoded into software, stored in databases, loaded into computer memory, and transmitted on networks. These digital representations encode aspects of our everyday world and make them available for digital processing. The limits and capacities of those representations carry significant consequences for digital society. In The Stuff of Bits, Paul Dourish examines the specific materialities that certain digital objects exhibit. He presents four case studies: emulation, the creation of a “virtual” computer inside another; digital spreadsheets and their role in organizational practice; relational databases and the issue of “the database-as-thing”; and the evolution of digital networking and the representational entailments of network protocols. These case studies demonstrate how a materialist account can offer an entry point to broader concerns—questions of power, policy, and polity in the realm of the digital.

Four Shades of Gray Simon Peter Rowberry 2022-04-05 This first book-length analysis of Amazon’s Kindle explores the platform’s technological, bibliographical, and social impact on publishing. Four Shades of Gray offers the first book-length analysis of Amazon’s Kindle and its impact on publishing. Simon Peter Rowberry recounts how Amazon built the infrastructure for a new generation of digital publications; then considers the consequences of having a single company control the direction of the publishing industry. Exploring the platform from the perspectives of technology, texts, and uses, he shows how the Kindle challenges traditional notions of platforms as discrete entities. He argues that Amazon’s influence extends beyond “disruptive technology” to embed itself in all aspects of the publishing trade; yet despite industry pushback, he says, the Kindle has had a positive influence on publishing. Rowberry documents the first decade of the Kindle with case studies of Kindle Popular Highlights, an account of the digitization of books published after 1922, and a discussion of how Amazon’s patent filings reflect a shift in priorities. Rowberry argues that while it was initially convenient for the book trade to outsource ebook development to Amazon, doing so has had adverse consequences for publishers in the mid- and long term, limiting opportunities for developing an inclusive and forward-thinking digital platform. While it has forced publishers to embrace digital forms, the Kindle has also empowered some previously marginalized readerships. Although it is still too early to judge the long-term impact of ebooks compared with that of the older technologies of clay tablets, the printing press, and offset printing, the shockwaves of the Kindle continue to shape publishing.

Erlösung durch Vernichtung?! Stefan Piasecki 2016-03-09 Menschen wirken in Computer- und Videospiele ein, diese wirken zurück in die Lebenswelt ihrer Spieler. Unterhaltsame und auch kulturelle Narration kann im Bildschirmspiel interaktiv erfahren und beeinflusst werden. Spiele bilden und sie bilden ab. Inhaltliche Elemente, Gestaltung, Symbolik und Bedeutungen werden von Spieleentwicklerinnen und Spieleentwicklern in ihre Produktionen gelegt. Analog zur klassischen Kommunikatorforschung kann demnach auch hier gefragt werden: Was sind Spieleentwickler für Menschen? Was bewegt sie? Woran glauben sie? Was erstreben sie? Eine Spieleanalyse, die nur die Auswirkungen von Spielen berücksichtigt, nicht aber nach der Quelle ihrer Inhalte fragt, greift zu kurz. In einer an der Berliner Games Academy durchgeführten explorativen Studie wurden erstmals junge Spieleentwicklerinnen und -entwickler nach ihren weltanschaulichen Ansichten befragt. Mit dieser Arbeit werden aus religionspädagogischer wie auch kommunikationswissenschaftlicher Sicht unter Berücksichtigung von medienpädagogischen Theorien relevante Fragen thematisiert und an Spieleentwickler herangetragen und bringen so die traditionellen Disziplinen mit der jungen Wissenschaft der Game Studies ins Gespräch.

Game Studies Klaus Sachs-Hombach 2015-08-24 Das Spielen am Computer ist aus der konvergenten Medienkultur der Gegenwart nicht mehr wegzudenken: Computerspiele werden von Menschen beinahe jeden Alters und jeder gesellschaftlichen Stellung gespielt. Entsprechend erfreut sich die Computerspielindustrie schon des Längeren an Umsätzen, die mit denen der Filmindustrie durchaus vergleichbar sind, und der Deutsche Kulturrat möchte Computerspiele inzwischen gar als »Kunst« verstanden wissen. Vor diesem Hintergrund überrascht es einerseits kaum, dass in den letzten Jahren auch das akademische Interesse an Computerspielen stark gestiegen ist und dass das immer noch recht junge Medium heute aus ganz unterschiedlichen methodologischen und epistemologischen Perspektiven in den Blick genommen wird. Andererseits ist es unter der Vielzahl der trans-, multi- und interdisziplinär geprägten Zugänge zum Computerspiel bereits zu ersten Konsolidierungsbewegungen gekommen, sodass sich inzwischen von einer Reihe auch disziplinär kanonisierter Ansätze der Game Studies sprechen lässt. Die im vorliegenden Band versammelten Beiträge bieten eine umfassende Bestandsaufnahme und kritische Würdigung aktueller Ansätze der medienwissenschaftlichen und interdisziplinären Computerspielforschung. *Geek and Hacker Stories* Brian Alleeen 2018-11-02 Geeks, hackers and gamers share a common 'geek culture', whose members are defined and define themselves mainly in terms of technology and rationality. The members of geek culture produce and circulate stories to express who they are and to explain and justify what they do. Geek storytelling draws on plots and themes from the wider social and cultural context in which geeks live. The author surveys many stories of heated exchanges and techno-tribal conflicts that date back to the earliest days of personal computing, which construct the “self” and the “enemy”, and express and debate a range of political positions. Geek and Hacker Stories will be of interest to students of digital social science and media studies. Both geeky and non-technical readers will find something of value in this account.

I Am Error Nathan Altice 2017-09-08 The complex material histories of the Nintendo Entertainment System platform, from code to silicon, focusing on its technical constraints and its expressive affordances. In the 1987 Nintendo Entertainment System videogame *Zelda II: The Adventure of Link*, a character famously declared: I AM ERROR. Puzzled players assumed that this cryptic message was a programming flaw, but it was actually a clumsy Japanese-English translation of “My Name is Error,” a benign programmer’s joke. In I AM ERROR Nathan Altice explores the complex material histories of the Nintendo Entertainment System (and its Japanese predecessor, the Family Computer), offering a detailed analysis of its programming and engineering, its expressive affordances, and its cultural significance. Nintendo games were rife with mistranslated texts, but, as Altice explains, Nintendo’s translation challenges were not just linguistic but also material, with consequences beyond simple misinterpretation. Emphasizing the technical and material evolution of Nintendo’s first cartridge-based platform, Altice describes the development of the Family Computer (or Famicom) and its computational architecture; the “translation” problems faced while adapting the Famicom for the U.S. videogame market as the redesigned Entertainment System; Nintendo’s breakthrough console title Super Mario Bros. and its remarkable software innovations; the introduction of Nintendo’s short-lived proprietary disk format and the design repercussions on the Legend of Zelda; Nintendo’s efforts to extend their console’s lifespan through cartridge augmentations; the Famicom’s Audio Processing Unit (APU) and its importance to the chiptunes genre; and the emergence of software emulators and the new kinds of play they enabled.

CREDERE ET LUDERE Stefan Piasecki 2017-12-11 Religion mit ihren Traditionen, heiligen Schriften, ehrwürdigen Gottehäusern und den durch Geistliche praktizierten Ritualen hat auf den ersten Blick wenig gemein mit dem Bunten, Schrilten, Wilden und Lauten in vielen “Bildschirmspielen” auf Computern, mobilen Endgeräten und Videospielekonsolen. Und dennoch kommt kaum ein Spiel ohne aus: Weltensimulationen, Abenteuer- und Rollenspiele und sogar Space Shooter setzen auf religiöse Versatzstücke und Motive, um Hintergründe zu erklären. Dieses Buch erläutert zurückgreifend auf klassische spieltheoretische Ansätze und Bezug nehmend auf technologie- und gesellschaftskritische Positionen, welche Bedeutung Computer- und Videospiele heute für eine freizeitorientierte Gesellschaft haben, die ständig “online” ist. Gemeinsam mit Erkenntnissen der Game Studies werden religions- und medienpädagogische Ansätze dazu genutzt, die Wirkung und Bedeutung des Mediums “Bildschirmspiel” zu erklären und der Frage nachzuspüren, wie Spuren religiöser Bekenntnisse in Spielen wirken mögen. Sozialisation ist heute auch Mediensozialisation. Kaum einem anderen Medium setzen sich Menschen aber derart ausdauernd und bereitwillig aus wie Computer- und Videospiele. Formen der Verkündigung ebenso wie religiöse und politische Propaganda finden sich selbstverständlich auch dort, weil digitale Spiele längst mehr sind als bloße Mittel des Zeitvertreibs. Mit begleitenden Beiträgen von Prof. Dr. em. Jürgen Fritz, Prof. Dr. Ingo Reuter und Martin Lorber (Electronic Arts) sowie theologischen Ergänzungen von Dr. Karsten Jung.

Game Engine Black Book Fabien Sanglard 2017-08-31 How was Wolfenstein 3D made and what were the secrets of its speed? How did id Software manage to turn a machine designed to display static images for word processing and spreadsheet applications into the best gaming platform in the world, capable of running games at seventy frames per seconds? If you have ever asked yourself these questions, Game Engine Black Book is for you. This is an engineering book. You will not find much prose in here (the author’s English is broken anyway.) Instead, this book has only bit of text and plenty of drawings attempting to describe in great detail the Wolfenstein 3D game engine and its hardware, the IBM PC with an Intel 386 CPU and a VGA graphic card. Game Engine Black Book details techniques such as raycasting, compiled scalars, deferred rendition, VGA Mode-Y, linear feedback shift register, fixed point arithmetic, pulse width modulation, runtime generated code, self-modifying code, and many others tricks. Open up to discover the architecture of the software which pioneered the First Person Shooter genre.

Game Time Christopher Hanson 2018-03-08 More than live : game “a-liveness” and immediacy -- Game presence and mediatization -- Pausing and resuming -- Saving and restoring -- An instinct towards repetition : “replay value,” mastery, and re-creation -- Recursive temporalities -- Case studies

Fans and Videogames Melanie Swalwell 2017-03-03 This anthology addresses videogames long history of fandom, and fans’ important role in game history and preservation. In order to better understand and theorize video games and game playing, it is necessary to study the activities of gamers themselves. Gamers are active creators in generating meaning; they are creators of media texts they share with other fans (mods, walkthroughs, machinima, etc); and they have played a central role in curating and preserving games through activities such as their collective work on emulation, creating online archives and the forensic archaeology of code. This volume brings together essays that explore game fandom from diverse perspectives that examine the complex processes at work in the phenomenon of game fandom and its practices. Contributors aim to historicize game fandom, recognize fan contributions to game history, and critically assess the role of fans in ensuring that game culture endures through the development of archives. *Homebrew Gaming and the Beginnings of Vernacular Digitality* Melanie Swalwell 2021-08-17 The overlooked history of an early appropriation of digital technology: the creation of games though coding and hardware hacking by microcomputer users. From the late 1970s through the mid-1980s, low-end microcomputers offered many users their first taste of computing. A major use of these inexpensive 8-bit machines—including the TRS System 80s and the Sinclair, Atari, Microbee, and Commodore ranges—was the development of homebrew games. Users with often self-taught programming skills devised the graphics, sound, and coding for their self-created games. In this book, Melanie Swalwell offers a history of this era of homebrew game development, arguing that it constitutes a significant instance of the early appropriation of digital computing technology. Drawing on interviews and extensive archival research on homebrew creators in 1980s Australia and New Zealand, Swalwell explores the creation of games on microcomputers as a particular mode of everyday engagement with new technology. She discusses the public discourses surrounding microcomputers and programming by home coders; user practices; the development of game creators’ ideas, with the game Donut Dilemma as a case study; the widely practiced art of hardware hacking; and the influence of 8-bit aesthetics and gameplay on the contemporary game industry. With Homebrew Gaming and the Beginnings of Vernacular Digitality, Swalwell reclaims a lost chapter in video game history, connecting it to the rich cultural and media theory around everyday life and to critical perspectives on user-generated content.

The Future Was Here Jimmy Maher 2018-01-26 Exploring the often-overlooked history and technological innovations of the world’s first true multimedia computer. Long ago, in 1985, personal computers came in two general categories: the friendly, childish game machine used for fun (exemplified by Atari and Commodore products); and the boring, beige adult box used for business (exemplified by products from IBM). The game machines became fascinating technical and artistic platforms that were of limited real-world utility. The IBM products were all utility, with little emphasis on aesthetics and no emphasis on fun. Into this bifurcated computing environment came the Commodore Amiga 1000. This personal computer featured a palette of 4,096 colors, unprecedented animation capabilities, four-channel stereo sound, the capacity to run multiple applications simultaneously, a graphical user interface, and powerful processing potential. It was, Jimmy Maher writes in The Future Was Here, the world’s first true multimedia personal computer. Maher argues that the Amiga’s capacity to store and display color photographs, manipulate video (giving amateurs access to professional tools), and use recordings of real-world sound were the seeds of the digital media future: digital cameras, Photoshop, MP3 players, and even YouTube, Flickr, and the blogosphere. He examines different facets of the platform—from Deluxe Paint to AmigaOS to Cinemaware—in each chapter, creating a portrait of the platform and the communities of practice that surrounded it. Of course, Maher acknowledges, the Amiga was not perfect: the DOS component of the operating systems was clunky and ill-matched, for example, and crashes often accompanied multitasking attempts. And Commodore went bankrupt in 1994. But for a few years, the Amiga’s technical qualities were harnessed by engineers, programmers, artists, and others to push back boundaries and transform the culture of computing.

Reboot Robert Jacobi 2021-02-01 Wir kennen alle das Gefühl, wenn der Computer-Bildschirm einfriert. Nichts geht mehr. Panik kommt auf. Kurz warten, PC wieder hochfahren. Reboot. Hoffentlich sind noch alle Dateien da. Der vielfach ausgezeichnete Publizist und Experte für Digitalisierung Robert Jacobi beschreibt mit diesem Bild die Situation während der Corona-Pandemie in Deutschland, Europa und der Welt. Ein Neustart ist erforderlich. Gleichzeitig gilt es, das Betriebssystem zu aktualisieren und die Dateien, wo nötig, zu überschreiben. Es geht um den kompletten Reboot unserer Wirtschaft und Demokratie. Und es geht um eine neue Codierung für eine krisensichere Zukunft. Wir haben jetzt eine historische Chance, die es zu nutzen gilt. Weil es schlichtweg ums Ganze geht. Dieses Grenzen Überwindende Buch ist eine unterhaltsame Mischung aus persönlichen Erlebnissen und Einsichten, spannenden Daten und Fakten, mit Hintergrüdnissen gefüllterten, innovativen Vorschlägen sowie einer klaren Werte-Orientierung. Reboot bietet den Resilienz-Coach, der aus der Corona-Krise herausführt in neue, nachhaltig widerstandsfähige Modelle von Wirtschaft, Politik und Gesellschaft. Mit Beispielen aus aller Welt. Überraschend, ungewöhnlich, motivierend und mutig. So der Autor, so das Buch.

The Routledge Companion to Video Game Studies Mark J. P. Wolf 2014-01-03 The number of publications dealing with video game studies has exploded over the course of the last decade, but the field has produced few comprehensive reference works. The Routledge Companion to Video Game Studies, compiled by well-known video game scholars Mark J. P. Wolf and Bernard Perron, aims to address the ongoing theoretical and methodological development of game studies, providing students, scholars, and game designers with a definitive look at contemporary video game studies. Features include: comprehensive and interdisciplinary models and approaches for analyzing video games; new perspectives on video games both as art form and cultural phenomenon; explorations of the technical and creative dimensions of video games; accounts of the political, social, and cultural dynamics of video games. Each essay provides a lively and succinct summary of its target area, quickly bringing the reader up-to-date on the pertinent issues surrounding each aspect of the field, including references for further reading. Together, they provide an overview of the present state of game studies that will undoubtedly prove invaluable to student, scholar, and designer alike.

Advancing Digital Humanities P. Arthur 2014-12-03 Advancing Digital Humanities moves beyond definition of this dynamic and fast growing field to show how its arguments, analyses, findings and theories are pioneering new directions in the humanities globally.

Now the Chips Are Down Alison Gazzard 2016-02-12 The story of a pioneering microcomputer: its beginnings as part of a national Computer Literacy Project, its innovative hardware, and its creative uses. In 1982, the British Broadcasting Corporation launched its Computer Literacy Project, intended “to introduce interested adults to the world of computers and computing.” The BBC accompanied this initiative with television programs, courses, books, and software—an early experiment in multi-platform education. The BBC, along with Acorn Computers, also introduced the BBC Microcomputer, which would be at the forefront of the campaign. The BBC Micro was designed to meet the needs of users in homes and

schools, to demystify computing, and to counter the general pessimism among the media in Britain about technology. In this book, Alison Gazzard looks at the BBC Micro, examining the early capabilities of multi-platform content generation and consumption and the multiple literacies this approach enabled—not only in programming and software creation, but also in accessing information across a range of media, and in “do-it-yourself” computing. She links many of these early developments to current new-media practices. Gazzard looks at games developed for the BBC Micro, including Granny's Garden, an educational game for primary schools, and Elite, the seminal space-trading game. She considers the shift in focus from hardware to peripherals, describing the Teletext Adapter as an early model for software distribution and the Domesday Project (which combined texts, video, and still photographs) as a hypermedia-like experience. Gazzard's account shows the BBC Micro not only as a vehicle for various literacies but also as a user-oriented machine that pushed the boundaries of what could be achieved in order to produce something completely new.

Gaming the Iron Curtain Jaroslav Švelch 2018-12-25 How amateur programmers in 1980s Czechoslovakia discovered games as a medium, using them not only for entertainment but also as a means of self-expression. Aside from the exceptional history of Tetris, very little is known about gaming culture behind the Iron Curtain. But despite the scarcity of home computers and the absence of hardware and software markets, Czechoslovakia hosted a remarkably active DIY microcomputer scene in the 1980s, producing more than two hundred games that were by turns creative, inventive, and politically subversive. In *Gaming the Iron Curtain*, Jaroslav Švelch offers the first social history of gaming and game design in 1980s Czechoslovakia, and the first book-length treatment of computer gaming in any country of the Soviet bloc. Švelch describes how amateur programmers in 1980s Czechoslovakia discovered games as a medium, using them not only for entertainment but also as a means of self-expression. Sheltered in state-supported computer clubs, local programmers fashioned games into a medium of expression that, unlike television or the press, was neither regulated nor censored. In the final years of Communist rule, Czechoslovak programmers were among the first in the world to make activist games about current political events, anticipating trends observed decades later in independent or experimental titles. Drawing from extensive interviews as well as political, economic, and social history, *Gaming the Iron Curtain* tells a compelling tale of gaming the system, introducing us to individuals who used their ingenuity to be active, be creative, and be heard.

Who Are You? Alex Custodio 2020-10-13 The Game Boy Advance platform as computational system and cultural artifact, from its 2001 release through hacks, mods, emulations, homebrew afterlives. In 2002, Nintendo of America launched an international marketing campaign for the Game Boy Advance that revolved around the slogan “Who Are You?”—asking potential buyers which Nintendo character, game, or even device they identified with and attempting to sell a new product by exploiting players' nostalgic connections to earlier ones. Today, nearly two decades after its release, and despite the development of newer and more powerful systems, Nintendo's Game Boy Advance lives on, through a community that continues to hack, modify, emulate, make, break, remake, redesign, trade, use, love, and play with the platform. In this book Alex Custodio traces the network of hardware and software afterlives of the Game Boy Advance platform. *Super Power, Spooky Bards, and Silverware* Dominic Arsenaault 2017-09-01 How the Super Nintendo Entertainment System embodied Nintendo's resistance to innovation and took the company from industry leadership to the margins of videogaming. This is a book about the Super Nintendo Entertainment System that is not celebratory or self-congratulatory. Most other accounts declare the Super NES the undisputed victor of the “16-bit console wars” of 1989-1995. In this book, Dominic Arsenaault reminds us that although the SNES was a strong platform filled with high-quality games, it was also the product of a short-sighted corporate vision focused on maintaining Nintendo's market share and business model. This led the firm to fall from a dominant position during its golden age (dubbed by Arsenaault the “reNESSance”) with the NES to the margins of the industry with the Nintendo 64 and GameCUBE consoles. Arsenaault argues that Nintendo's conservative business strategies and resistance to innovation during the SNES years explain its market defeat by Sony's PlayStation. Extending the notion of “platform” to include the marketing forces that shape and constrain creative work, Arsenaault draws not only on game studies and histories but on game magazines, boxes, manuals, and advertisements to identify the technological discourses and business models that formed Nintendo's Super Power. He also describes the cultural changes in video games during the 1990s that slowly eroded the love of gamer enthusiasts for the SNES as the Nintendo generation matured. Finally, he chronicles the many technological changes that occurred through the SNES's lifetime, including full-motion video, CD-ROM storage, and the shift to 3D graphics. Because of the SNES platform's architecture, Arsenaault explains, Nintendo resisted these changes and continued to focus on traditional gameplay genres.

Intermedial Studies Jørgen Bruhn 2021-11-18 Intermedial Studies provides a concise, hands-on introduction to the analysis of a broad array of texts from a variety of media – including literature, film, music, performance, news and

videogames, addressing fiction and non-fiction, mass media and social media. The detailed introduction offers a short history of the field and outlines the main theoretical approaches to the field. Part I explains the approach, examining and exemplifying the dimensions that construct every media product. The following sections offer practical examples and case studies using many examples, which will be familiar to students, from Sherlock Holmes and football, to news, vlogs and videogames. This book is the only textbook taking both a theoretical and practical approach to intermedial studies. The book will be of use to students from a variety of disciplines looking at any form of adaptation, from comparative literature to film adaptations, fan fictions and spoken performances. The book equips students with the language and understanding to confidently and competently apply their own intermedial analysis to any text.

Minitel Julien Mailland 2017-06-23 The first scholarly book in English on Minitel, the pioneering French computer network, offers a history of a technical system and a cultural phenomenon. A decade before the Internet became a medium for the masses in the United States, tens of millions of users in France had access to a network for e-mail, e-commerce, chat, research, game playing, blogging, and even an early form of online porn. In 1983, the French government rolled out Minitel, a computer network that achieved widespread adoption in just a few years as the government distributed free terminals to every French telephone subscriber. With this volume, Julien Mailland and Kevin Driscoll offer the first scholarly book in English on Minitel, examining it as both a technical system and a cultural phenomenon. Mailland and Driscoll argue that Minitel was a technical marvel, a commercial success, and an ambitious social experiment. Other early networks may have introduced protocols and software standards that continue to be used today, but Minitel foretold the social effects of widespread telecomputing. They examine the unique balance of forces that enabled the growth of Minitel: public and private, open and closed, centralized and decentralized. Mailland and Driscoll describe Minitel's key technological components, novel online services, and thriving virtual communities. Despite the seemingly tight grip of the state, however, a lively Minitel culture emerged, characterized by spontaneity, imagination, and creativity. After three decades of continuous service, Minitel was shut down in 2012, but the history of Minitel should continue to inform our thinking about Internet policy, today and into the future.

A New History of Modern Computing Thomas Haigh 2021-09-14 How the computer became universal. Over the past fifty years, the computer has been transformed from a hulking scientific supertool and data processing workhorse, remote from the experiences of ordinary people, to a diverse family of devices that billions rely on to play games, shop, stream music and movies, communicate, and count their steps. In *A New History of Modern Computing*, Thomas Haigh and Paul Ceruzzi trace these changes. A comprehensive reimagining of Ceruzzi's *A History of Modern Computing*, this new volume uses each chapter to recount one such transformation, describing how a particular community of users and producers remade the computer into something new. Haigh and Ceruzzi ground their accounts of these computing revolutions in the longer and deeper history of computing technology. They begin with the story of the 1945 ENIAC computer, which introduced the vocabulary of “programs” and “programming,” and proceed through email, pocket calculators, personal computers, the World Wide Web, videogames, smart phones, and our current world of computers everywhere—in phones, cars, appliances, watches, and more. Finally, they consider the Tesla Model S as an object that simultaneously embodies many strands of computing.

Cold War Games Clemens Reissner 2020-10-05 Zwischen Computerspielen und Kaltem Krieg besteht eine enge Verbindung. Nicht nur entstammen die technischen Grundlagen des Mediums den Technologien des Systemkonfliktes. Seit seinen frühesten Tagen hatte das Unterhaltungsmedium auch etwas dazu zu sagen, was der Kalte Krieg war und bedeutete. In einer Reihe von exemplarischen Analysen beleuchtet diese Studie, wie Computerspiele ihren medien-spezifischen Beitrag zur Konstruktion des Kalten Krieges im historischen Kontext der letzten Phase des Systemkonfliktes leisteten. Sie erwiesen sich dabei als Übersetzer von Spezialwissen des Kalten Krieges in die Populärkultur und als diskursive Gratwandler zwischen Simulation und Spiel. Die Studie leistet damit einen Beitrag zum Verständnis von Computerspielen als kulturgeschichtliche Quellen. *Geschichte und Erinnerung in Computerspielen* Nico Nolden 2019-12-16 Jährlich erscheint eine Vielzahl von digitalen Spielen, die historische Inszenierungen verwenden – in diversen spielmechanischen Formen, mit einem breiten inhaltlichen Spektrum und aus fast allen Epochen. Bislang überblickt sie die Geschichtswissenschaft nicht strukturiert, formuliert keine Erkenntnisinteressen und erschließt sie nicht systematisch. Wieso solche Inszenierungen historisch und gesellschaftlich relevant sind, erläutert das Buch einführend. Sein Hauptteil ordnet den Stand der Forschung statistisch, methodisch und disziplinar sowie entlang von Spielformen und Epochen. An vielen Beispielen identifiziert er die Lücken des Diskurses, kondensiert Erkenntnisinteressen und bezieht andere Geistes- und Sozialwissenschaften ein. Weitgehend unbeachtet sind bislang Online-Rollenspiele, obwohl der empirische Teil am Beispiel *The Secret World* ihre Qualität als Erinnerungskulturelles Wissenssystem aufzeigt. Wie dieses Medium Historisches inszeniert, ist gesellschaftlich bedeutend, aber auch in wirtschaftlicher Hinsicht. Das Buch erschließt daher ein Arbeitsfeld für Studierende, Lehrende und Forschende in Geschichts- und anderen Geisteswissenschaften, eröffnet aber auch neue Denkansätze für die praktische Anwendung im Game Design.