

Herb Gilliland

Address not disclosed
herb.gilliland@gmail.com
(412)726-2403 (Cell)

Work Experience

Usability Analyst and Technical Writer, Self-Employed, 2007

Linux Systems Administrator, MUGS.NET, 1993-March 2007

Managed configurations of RedHat, Debian (Ubuntu), FreeBSD and SuSE Linux versions. User groups, access, cron, shell scripting (bourne), installation and package management. Custom software integration for automation of organization services. Web server administration (apache2), e-mail and account management. PHP/MySQL, CGI, Perl, C/C++ development for TCP/IP. Backup and disaster management on a national network.

E-Commerce Developer, Eaton Cutler Hammer, 2006 - 2007

Graphical user interface, PHP/MySQL developer for Zend/IonCube and PHP ProBid for auctioning interfacing the Ebay API for auction management. OSCommerce developer on Linux and Windows XP. (LAMP+AJAX)

Usability analyst, MEDRAD, 1996, 2006

Usability and quality control analysis of GUI and process remote diagnostics software for assessing performance of cardiovascular imaging systems. Debugging of software and work-flow optimizations. Application development in government regulated medical technology setting.

Computer Consultant, U.S. Golf Association, 2006

PHP-based CRM customization, cross-platform development for both Windows and Linux with PHP, MySQL and Apache2. Java, GUI web development. (LAMP)

Media Designer, Electrical and Computer Engineering Department, Carnegie Mellon University, 2000-2001

GUI/Web design for high-volume intranet. Macromedia Director, Adobe Photoshop, Illustrator. CGI, CSS, JavaScript, HTML. Perl on Solaris interfacing Oracle DBI for custom reporting. Interviewing, video photography, still photography. Preparation of CD-ROM for department PR.

Project Assistant, Nine Mile Run Greenway Project, STUDIO for Creative Inquiry, 1999-2000

Assisted artists with media development, imaging (Photoshop, Illustrator). Graphic design layouts for large-scale printing, performed administrative tasks on Netscape Enterprise Server with IIS, ESRI GIS/ArcView. Macromedia Director (lead or co-lead developer on two CD-ROMs). Interactive Kiosk development using projection and WaCOM interface. Kinetic typography. Historic photograph restoration. Colorization of historic images. Collected and maintained data for US Army Corp of Engineers. Collaborative environment developer for community development and environmental activism web service. Audio engineering (SoundForge). Digital video editing in Adobe Premiere. Technical consultant to six research projects.

Associate Programmer, MSI 1996-1997

ADO/DB for Access databases, Visual Basic 5, GUI. Medical technology guidelines. Visual Basic application developer. Assembly of hardware test appliance. Courier. Clientèle included Respirationics and Medrad.

Membership

[IEEE](#) Professional
[FAS Scientist](#) (Federation of American Scientists)
Key Club International
Amnesty International
IxDG: Interaction Design Group

Monty Python's Department of Silly Walks
San Diego Game Developers
WRCT 88.3fm (Broadcast DJ)
ISAL/ESAL: International Society for Artificial Life
ACLU, WOTF

Career highlights

CAFT (Center for Advanced Fuel Technologies), *biodegradable fuel research* confidential clearance
General Motors, *product development*, H3 "Make it smaller!"*
iSee, *concept*- I coined the term "the path of least surveillance" and pitched the concept to IAA
STUDIO for Creative Inquiry, *artist/contributor*
United States Golf Association, *technical consultant*

Video Games

Monolith Studios, F.E.A.R., *consultant*, 2002
Microsoft Games, Freelancer, *consultant*, 2000
[Slice](#), FPS open source, *game, texture and level design*, 2005
[Spam Assassins](#), FPS, *game, texture and level design*, 2005
Platform Digital LLC, *Project: Club / Escape Online* 1999-2002



Skills

HUMAN LANGUAGES: English (Mastery), French (intermediate) Beginner: Japanese, Spanish, Filipino
Computer-related: HTML/CSS, JavaScript (DOM), C/C++, Java (J2EE), SQL, Visual Basic, PHP/MySQL, COBOL, UnrealScript, Python, Perl, MSSQL, ASP/.NET/C#
DB: Oracle 9i, MySQL, MSSQL, PostgreSQL, Flat-file (PHP, C)
OS: Linux, Ultrix, Solaris, MIPS, AIX, VMS, Unix, MacOS, Windows 95-XP
Application: Adobe Creative Suite (Photoshop, Pagemaker, Illustrator, Premiere), ZBrush, Maya/Alias Wavefront, 3D Studio MAX, MS Office, SoundForge, FL Studio, Dreamweaver, Shockwave Studio, Processing, GNU Image Manipulator, Eclipse IDE, Audacity, Apache, IIS

Education

Carnegie Mellon University, 1996-2005
Bachelor of Science, Interaction Design (Self-Defined Major)
Minor in Art, Minor in Multimedia Production

Coursework

Interaction Design (self-defined major): Electronic Media Seminar: Videogames and Their Influences, G. Cato, M. Fiore, J. Mechner; Electronic Media Studio: Video Game Design, G. Cato, M. Fiore; Interactive Ancient Egypt, L. Burgess, L. Holden, J. Jacobson; HCI: Telepresence: Art [and Applications], P. Coppin

Art (minor): Advanced SIS: Audio, Entertainment Technology Center: Building Virtual Worlds w/ R. Pausch; Dramatic Structures of Interactive Gaming Environments, D. Marinelli

Multimedia Production (minor): Design of Interactive Media, K. Piper; Designing Interactive Media, M. Lyall; Multimedia Authoring, Writing for the Web, Multimedia Production; R. Cavalier

Publications

The Adventures of George and Herb, H. Elwood with Save the Rhino International and Turgwe Hippo Trust, 2007.
Beginning, H. Gilliland, 1994, 2005.
Clifton McGill Photo Essay, C. McGill, H. Gilliland. STUDIO for Creative Inquiry 2000.
[Ctrl]SPACE, The Rhetorics of Surveillance from Bentham to Big Brother, MIT Press, 2002.

Goto, R., Bingham, B., Collins, T., et al *Ample Opportunity: A Community Dialogue/The Nine Mile Run Greenway Project*. STUDIO for Creative Inquiry, Carnegie Mellon University, 1998.

iSee and the Effects of Surveillance on Public Space, Institute for Applied Autonomy, 2003.
The Mod Archive, Amiga music preservation, Fledge/Watson.org, 1996.
New Beginning, H. Gilliland, 1994, 2005.
Omnircus CD, F. Garvey, H. Gilliland, 2000.
Online Creation, Chris Woodward, Herb Gilliland, 1993-2006.
Only in New York, the Daily Show with Jon Stewart, August 2005.
Project Club/ESCAPE ONLINE, 1999-2002, Platform Digital LLC, 2000.
Polymorphic Server-Model for Multi-modal Agents, ISAL/ECAL, International Conference for Artificial Life, 2002.
Sight of Stillness, Carolyn Speranza, Pittsburgh Filmmakers, 2002-2003.

Transforming Nine Mile Run: Final Report, T. Collins, R. Goto, B. Bingham, R. Pell, H. Gilliland, STUDIO for Creative Inquiry, Carnegie Mellon University 2000.

Project: iSee, a graphical 2D mapping system (collaboration with the [Institute for Applied Autonomy](#)):

acmi, exhibition [iSee](#)
Ars Electronica, honorary mention [Net Vision](#)
break2.2, workshop [Mapping of surveillance cameras in Ljubljana city center](#)
CclaaResidency, workshop [CclaaResidency](#)
ctrl[space], featured article [iSee - Now more than ever, iSee, 2001](#)
Google Video, video [iSee: Now More Than Ever](#)
flong.com, statement by Golan Levin
[Prix Ars Electronica 2005: Statement of the Jury in the Net Vision Category](#)
Legal Affairs, [Camera Shy](#)
nettime.org, [iSee: Paths of Least Surveillance](#)
notbored.org, [Closely Watched](#)
Slashdot, [iSee: collaborative DiY wireless surveillance avoidance](#)
Soundtoys, [The Work of Artists in a Databased Society: net.art as on-line activism +presentation](#)
Wired Magazine, featured article [Routes of Least Surveillance](#)

Web-mastered Sites

Slaggarden web (GUI), logo, print, 1999	CMU VR Tour co-designer, 2000
Heartwood Ethics web (GUI) designer, 2000	Interdisciplinary Studies (CMU) GUI/web designer, 2000
ECE GUI/web applications programmer	<i>Dylan's International Golf Website</i> (2000)
<i>Traced, Inc E-Commerce Website</i> (2003)	<i>National Association of Certified Home Inspectors</i> (2004)

Pro-bono IxD and UA Sites

(places where I've given pro-bono work, process consulting, UA, feature suggestions to management)

Pittsburgh Film Office Photo Archives	PayPal.com	Akamai Technologies
Google, Inc.	SourceForge.net	Local4All.com
Brotherhood2.com/EcoGeek	Demiurge Studios	Processing.org
Fair Housing Partnership	Carnegie Mellon University	General Motors