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Honolulu, HI 96822

Matthew J. Sharritt

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Objective   Have completed my coursework and Proficiency Exams in my Ph.D. program and plan to complete my dissertation over the next few years. Seeking full time position with moderate flexibility to complete my Ph.D. Will be an exceptional product architect and technical lead for a software - hardware company.

Overview   Unique knowledge of both hardware and software with a B.S. in Computer Engineering and an M.S. in Information and Computer Science; plus completed three-years of coursework as a Ph.D. student in Communication and Information Sciences. Have honed my self-directed learning skills and can quickly become proficient in new technologies and their application. Have a special competency in human –computer interaction (HCI).

Education   **Aug. 2003 – Present**   **University of Hawaii at Manoa**   **Honolulu, HI**
Ph.D., Communication and Information Sciences   GPA: 3.7
Status: Completed All But Dissertation (ABD) - passed five Proficiency Exams on first attempt
Planned Graduation Date: May 2008

Aug. 2001 – May 2003   **University of Hawaii at Manoa**   **Honolulu, HI**
M.S., Information and Computer Sciences   GPA: 3.7

Aug. 1997 – May 2001   **Marquette University**   **Milwaukee, WI**
B.S., Computer Engineering   GPA: 3.4
Minors: Computer Science and Math

Experience   **June 2001 – Present**   **University of Hawaii at Manoa**   **Honolulu, HI**
Graduate Assistant, Information and Computer Sciences Department

Teaching Assistant for ICS 111 / 211 (*Introduction to Computer Science / Algorithms and Data Structures in Java*). Assist students with using UNIX, creating web pages, and Java Programming of applications and applets. Provide assistance to up to 90 students per semester. Instruct students on Java programming during lab time

Created online content and helped organize the class website using HTML and WebCT (online course management tool - http://webct.hawaii.edu). Used Adobe Photoshop, Adobe Acrobat, and Microsoft FrontPage, Telnet & FTP programs to generate online content and course Websites

Installed digital video mixing system and assisted professor in creating online video lectures using professional video mixers and Real Producer to encode for Internet viewing

May 2002 – Present   **Honolulu, HI**
Web developer and Webmaster for small-business web sites

Created and continuously update websites for small businesses. Purchased domain names and set up web servers. Examples at:
- http://www.mbwacker.com
- http://www.profitwithhonor.net
- http://www.financemgmt.com
- http://www.hghpharm.com
- http://www.lipolyte.com
- http://www.unityinmarin.org

May 2000 – June 2001 **Time Warner Telecom, Inc.** **Brookfield, WI**
Webmaster, Corporate Communications Group - http://www.twtelecom.com

Hired between junior and senior year as interim Webmaster. During my senior year, was retained as full time corporate Webmaster while carrying a normal class load. As a member of the Corporate Communications Group, significantly upgraded the Website and worked directly with senior level public relations executives and line vice-presidents to add time-critical news and financial releases

Tools: Adobe Photoshop, Adobe Acrobat, Adobe Illustrator, Microsoft FrontPage, Telnet & FTP programs, and Webtrends (web log analysis). Also added complex features using hard-coded HTML and Perl scripts

Used Flash to create a marketing mini-CD-ROM of the *Annual Report* and product brochures that were previously all hard copies. The digital version added a powerful corporate video while reducing total cost from $15.00 to $1.50 per recipient of this critical public relations material. Presented the CD-ROM to key executives at a corporate meeting in Littleton, CO

Installed new Cobalt web servers and modified IP backbone diagrams

Used Interwoven, a content-management tool, to create templates and manage website

May 1999 - Aug. 1999 **Motorola, Inc.** **Arlington Heights, IL**
Intern, Cellular Infrastructure Group. Part of Global System for Mobile Communications Group (GSM), a Software Engineering Institute (SEI) Level 5 Organization

Worked as a Call Processing Engineer, converting out-dated state chart diagrams to updated diagrams in TAU (UNIX state chart tool). Converted diagrams that will be implemented into GSM's current customer releases. Conversions performed in C. Also worked with Perl to modify / update transition notes

Completed Motorola Course CP-02, *Introduction to Digital Cellular Technology*

UH Ph.D. Course Work	• Communication Theory • Communication Planning and Forecasting Methods • Organizational Communication	• Human-Computer Interaction • Advanced HCI Design (Usability Engineering) • Development of Online Courseware (WebCT) • Research Methods
UH Masters Course Work	• Data Storage and Retrieval (VB6 / SQL) • Sony PlayStation Programming (C / C++) • Information Architecture for the WWW • Digital Librarianship • Intercultural Communication	• Human-Computer Interaction • Advanced HCI Design (Usability Engineering) • Medical Informatics • Development of Online Courseware (WebCT) • Computational Exolinguistics (SETI)
Marquette Course Work	• Object Oriented Programming in Java • Data Structures with Algorithm Analysis • System Software / Operating Systems • Software Methodologies • Software Engineering (w/ Rational Rose) • Computer Systems Analysis • Advanced Physics with Calculus	• Programming Languages • Digital Electronics and Computer Hardware • Computer Game Programming (Java) • Electronic Circuits and Electronic Devices • Calculus 1, 2, 3, and Differential Equations • Numerical Analysis and Computation • Digital Electronics and Computer Hardware Labs

Skills
- Broad architecture capabilities enhanced by knowledge of advanced methodologies; computer hardware design, troubleshooting, and repair; networking; and computer assembly language
- Programming in Java, C, C++, Visual Basic, ASP, PHP, ColdFusion, SQL, and HTML
- Mac OS X, Win 9x / NT / 2000 / XP Operating Systems. Installation and administration of HTTP / FTP servers (IIS, Apache)
- Microsoft Office applications. Adobe Photoshop, Illustrator, Acrobat, Flash, and Dreamweaver

Honors/ Activities
- President of the Marquette University Student Branch of the Institute of Electrical and Electronics Engineers (IEEE), 2000-2001
- Awarded Marquette University's St. Ignatius Engineering Scholarship - a $30,000, four-year scholarship. Awarded to six top scorers of an engineering preparedness test given to over 400 incoming freshmen
- Member of Marquette Chapter of Triangle Fraternity - a Fraternity of Engineers, Architects and Scientists. Served as Network Administrator and Webmaster (http://marq.triangle.org)
- Member of NSPE - National Society of Professional Engineers
- Member of ACM - Association for Computing Machinery