

James "Augie" Hill

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Education

University of Michigan: Ann Arbor, MI September, 2010 - April, 2012
M.S.E., Computer Science (Intelligent Systems); Graduate Certificate, Complex Systems GPA: 8.214 / 9.0

Southern Methodist University: Dallas, TX August, 2003 - December, 2006
B.S., Computer Engineering (Software); Minor in Mathematics GPA: 3.68 / 4.0

Projects

Peer-to-Peer Tangible Goods Sharing Mechanism Design
December, 2010 - April, 2011; September, 2011 - Present

Structured Data Identification From Human-Formatted Spreadsheet Documents Using Machine Learning
October 2010 - December, 2010

Work Experience

Google, PSO, Business Intelligence Group: Mountain View, CA May, 2011 - August, 2011
Associate Technology Manager Intern
Helped develop an internal tool for aggregating and analyzing traffic and revenue data per domain.

University of Michigan, Proteome Research Lab: Ann Arbor, MI February, 2007 - October, 2010
Applications Programmer, Intermediate
Work in a very small group to design, develop, test, and document the Tranche Distributed Repository (trancheproject.org), ProteomeCommons.org, and various other projects.

Freelance Developer January, 2003 – Present
Developed software, web, and a hardware applications for fun, money, and to education. Portfolio at augiehill.com.

Skills

Languages	Java, Python, SQL, PHP, C++, C, Assembly
Web	HTML, CSS, JavaScript, JSP, AJAX techniques, PHP
GUI	Java Swing, OpenGL
Software	UNIX: Ubuntu, Mac OS X; Windows: XP, 7; Netbeans IDE; MySQL; MongoDB; Subversion; Git; Perforce; Apache Tomcat; Django; WEKA; LaTeX
Other	RDB Schema Design, Ant, JUnit, JavaDocs, Java WebStart, J2ME, DNS Management, TCP/IP Network Programming, SSL, Semantic Interoperability (caBIG), Machine Learning, Distributed Systems, Game Theory, Mechanism Design
Hardware	Server/Desktop/Laptop specification, assembly and maintenance; Arduino

References

Dr. Michael Wellman Professor, CSE Department, University of Michigan
Research Advisor, E-commerce Professor wellman@umich.edu

Dr. Philip Andrews Professor, Biological Chemistry Department, University of Michigan
Director of the University of Michigan's Proteome Research Lab andrewsp@umich.edu

Dr. Jayson Falkner
Manager in Michigan's Proteome Research Lab jfalkner@gmail.com

Activities / Interests

Competitive Ice Dancer 1997-2006, 2007-2008
9-time international, 10-time national competitor. Year-round training regimen of 15 to 40 hours per week.