

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) GPA: 7.639 / 9.0 (A = 8)
Research: Strategic Reasoning (Computational Economics)
- Southern Methodist University:** Dallas, TX August, 2003 - December, 2006
B.S., Computer Engineering (Software); Minor, Mathematics GPA: 3.68 / 4.0 (A = 4)

Experience

- Google:** Mountain View, CA May, 2014 – Present
Business Analyst
- Google Express (A.K.A. Google Shopping Express)
 - Define and track project objective metrics
 - Design, implement, and maintain sales and revenue reporting pipelines and visualizations
 - Design, implement, and maintain front-end usage reporting pipelines and visualizations
 - Gather data warehouse requirements and prioritize additional data gathering and processing
 - Feature design analysis and recommendation
- Google, Google Technical Services (gTech):** Mountain View, CA July, 2012 – May, 2014
Technical Solutions Consultant
- Google Express (A.K.A. Google Shopping Express)
 - Design, implement, and maintain inventory reporting pipelines and visualizations.
 - Design processes and implement tools to support product data quality improvements.
 - Design requirements and prioritize projects towards improving product data.
 - Identify opportunities and manage design of improvements to the inventory prediction system.
 - Google Shopping: global per-merchant click and cost forecasting; ad hoc analysis for sales vertical
- Google, Partner Solutions Organization, Business Intelligence:** Mountain View, CA May, 2011 – August, 2011
Associate Technology Manager Intern
- Developed front-end features for an internal tool aggregating and analyzing traffic and revenue data per Internet domain. Developed a prototype of a novel classification of GDN partner sites for use in optimizing ad selection.
- University of Michigan, Proteome Research Lab:** Ann Arbor, MI February, 2007 - October, 2010
Applications Programmer, Intermediate
- Work in a small group to design, develop, test, and document a distributed file repository and a scientific community.
- Freelance Developer** January, 2003 – Present
Developed software, web, and hardware applications for fun, money, and education. Portfolio at augiehill.com.

Skills

Data	SQL; Pipeline Design, Implementation, and Maintenance; Data Visualization; Schema Modeling; Data Warehouse Requirements; Database Optimization; Semantic Interoperability
Analysis	Metric Design, Forecasting, Machine Learning, Game Theory, Mechanism Design, MatLab, Weka
Programming	Languages: Java, Python, C++, C; Distributed Systems, Web Server Design
Web	HTML, CSS, JavaScript, JSP, PHP, Ajax, HTTP; Apache Tomcat, Django
Network	DNS Management, TCP/IP Network Programming, SSL management
Software	Excel; Docs; Preso; UNIX: Ubuntu, Mac; Windows; Netbeans IDE; Subversion; Git; Perforce; LaTeX

Other Interests

Hardware Maker

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.