

# BENJAMIN J. McCANN

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## EDUCATION

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### **Carnegie Mellon University**

#### **Master of Business Administration - MBA**

May 2006

Concentrations: Information Systems, Strategy, Finance, Marketing

#### **Bachelor of Science in Computer Science with University Honors**

May 2006

Andrew Carnegie Society Scholar

Lambda Sigma Honor Society

Senior Leadership Award

National Society of Collegiate Scholars

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## WORK EXPERIENCE

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### **Google Inc.**

Irvine, CA

*Software Engineer, Google Analytics*

7/08 - Present

Heavy focus on scalability, uptime, and data integrity. Received Ads Citizenship Award.

Development of heavily trafficked internal service to provide account data to multiple Analytics front-ends.

Responsible for production pushes and on-call duties. Maintain best in industry uptime.

Design and implementation of integration testing framework for complex ecosystem of dependencies.

Creation of prototype for new product feature. Identified and fixed bugs in multiple open source libraries.

Led company-wide effort to correct and minimize project dependencies. Over 500 Google engineers from around the world participated. Reduced build times and binary sizes by as much as 90%. Received peer bonus.

20% time: Added solver to Google Spreadsheets (Tools > Solve). Promoted via posts on official Google Blog.

Created Google Spreadsheets formula bar and formula highlighting. Highlighted in PCWorld as best new feature.

### **The Sherwin-Williams Company**

Cleveland, OH

*Web Developer*

1/07 - 7/08

Redesigned corporate directory to add AJAX functionality, internationalization, and mobile version.

Mentored and assisted an intern in creating support application adopted by maintainers of over 80 internal systems.

Wrote custom ORM to abstract legacy data access library encapsulating complex business logic.

Aggregated information from four disparate systems to identify and cleanse over 2,000 consultant and international employee records not present in Oracle Human Resources Management System.

Initial implementation of Oracle Identity Manager provisioning.

### **The Vanguard Group**

Valley Forge, PA

*Information Systems Engineer - Technology Leadership Program*

7/06 - 1/07

Bug fixes and enhancements for the Vanguard Information Security Architecture.

Added batch import and backup capability to Computer Associates' Identity Manager.

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## OUTSIDE EXPERIENCE

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### **TabWorldOnline.com**

06/00 - 07/05

Created and ran Tab World Online, a profitable guitar website, which was sold in July 2005. Extensively marketed the site which received over 1 million page views per month and held over 4,500 registered users. Forged business partnerships, improved visitor return rate, and increased site attention span.

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## TECHNICAL SKILLS

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Primary Languages: Java, JavaScript, HTML, CSS, SQL

Other Languages: Python, Ruby, Groovy, PHP, R, C, SWIG, C#, SML, Bash

Frameworks: Struts 2, WebWork, Guice, Closure, GWT, Google Gadgets

Datastores: MySQL, Oracle, BigTable, AppEngine

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## OPEN SOURCE CONTRIBUTIONS

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Apache Commons Math: Provided implementation of Dual-Phase Simplex and K-Means++ algorithms

Struts 2 GXP Plugin: Modified and open sourced internal Google code to create the plug-in

Struts 2, JTiDy, openSUSE, GWT, GWT Gadgets, ANTLR, TradeAnalytics: patches, bug reports, testing