Matthew Genovese

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Summary

Community builder with a engineering background in software development, web design, embedded design, and semiconductor design and fabrication. Passionate about education and creating opportunities for engineers to collaborate, excel, and innovate.

Professional Experience

2007 – 2013

Founder and CEO · Door64, Austin, Texas.

❖ Founded the Door64 community to serve the Austin-area technology professionals through online interactions and events that connect individuals and employers. Attracted sponsors including Apple, Samsung, Google, eBay, Oracle, PayPal, AT&T, Freescale, Rackspace, Texas Instruments, and more.

❖ Over five years, successfully marketed and grew the Door64 membership to 30,000 local technology professionals, and was recognized as the top Business and Networking organization by the *Austin Business Journal* for two consecutive years (2011-2012).

❖ Door64 hosted over 100 events including focused job fairs, networking happy hours, SXSW™ Interactive events, technical conferences, and tech-focused meet-ups.

❖ Created unique face-to-face community engagements between technologists and employers that innovated the standard technical recruiting process. Amplified employers' recruiting efficiency, often decreasing the time required to find and hire otherwise hard-to-reach engineers.

❖ Recognized and interviewed by print newspapers and online blogs, and regularly gave talks and participated in panels covering topics from growing online communities to job search challenges faced by engineers.

❖ Conducted surveys and met with employers to specifically understand the critical technology hiring needs in the Austin-area. Results published and used to create focused events to address the needs of local employers and technology candidates.

2009 – 2011

CEO · JobCannon, Austin, Texas.

❖ Joined JobCannon team to help design and refine an online software tool that helps job seekers manage and drive their job search progress.

❖ Met with job seekers to understand problems and translate into requirements, features, and written specification, and managed the software development team's efforts. Application written in *Grails* (Java-based framework).

❖ Created training program along with volunteering users, and oversaw class for new JobCannon users to encourage adoption.

2006 – 2009

Software Architect and Developer Consultant · The Learning Labs, Inc., Austin, Texas.

❖ From concept to implementation, designed a stand-alone Java GUI application intended for students and professors to learn system-level hardware design in a university educational environment.

❖ The overall solution was a combination of hardware and software. Architected and developed the desktop software application from the user-experience down to hardware driver interface.

❖ Managed two off-shore development teams who implemented driver, firmware, licensing, and installation package development.

| 2002 – 2009 | ***VLSI Design Verification Engineer*** · PowerPC Design Center, Freescale Semiconductor, Austin, Texas. |

- ❖ As a member of multiple verification teams, verified designs on a variety of chip design projects on PowerPC-based cores and SoC's.
- ❖ Specialized in test methodology and test bench development, creating verification IP in Verilog, C++, Vera, SystemVerilog, and SystemVerilog Assertions (SVA).
- ❖ Engaged in constant communication with design team colleagues around the world, and occasionally traveled internationally.
- ❖ Authored customer programming application notes, and presented technical talks in academic settings.

| 1998 – 2002 | ***Product & Test Engineer*** · Motorola, Austin, Texas. |

- ❖ Designed and executed experiments, and authored reports on the MPC860 SoC to increase fabrication and final test yield, outgoing quality, and reliability of the device in the field.
- ❖ Executed device characterization experiments on multiple projects often resulted in increased sales for higher performance chips, and debugged bring-up, production, and customer issues on testers, both in wafer probe and final test.
- ❖ Mentored and trained all junior engineers after rising to level of senior engineer, and routinely called upon for expert advice for fabrication, assembly, and final test issues.
- ❖ Authored formal reports and data sheets, as well as tutorials for internal evaluation of engineering experiments.

Education

M.S. Electrical Engineering, December 2005 (GPA: 4.0 / 4.0)
The University of Texas at Austin, Austin, Texas
Project & Report: A Tool for Dynamic Data Capture and Visualization in Heterogeneous Simulation Environments

Object-Oriented Design & Programming in C++, 2002
Ten week immersive course, Glenn Downing, Professor, The University of Texas at Austin

B.S. Computer Engineering, November 1997
Rochester Institute of Technology, Rochester, New York
Senior Project: Real-time Autonomous Laser Tracking System (custom-made)

Technical Skills

HTML, CSS	C, C++	Drupal CMS
Java, Eclipse	GIT, CVS Revision Control	SystemC, Verilog, VHDL, SVA
PHP, Perl, Shell Scripting	Windows, Linux	Embedded Design

Personal Strengths

Strategic, Empathy, Ideation, Developer, and Learner (as indicated by the *Strengths Finder* assessment)

Network

Well-connected in the Austin-area technology community with an excellent rapport among local technical, human resources, and executive personnel. Have established relationships with key individuals at the following organizations:

Austin Chamber of Commerce	Central Texas Angel Network	St. Edward's University
Austin Community College	City of Austin Economic Development	Tech Ranch Austin
Austin Java Users Group	Door64	Texas Office of the Governor
Austin Technology Council	Goodwill	Texas State Technical College
Austin Ventures	Houston Technology Center	Texas Workforce Commission
Campus2Careers	IEEE	University of Texas at Austin
Capital Factory	Skillpoint Alliance	Workforce Solutions

Professional Affiliations	Member, Institute for Electrical and Electronics Engineers (IEEE) Advisory board member, Rochester Institute of Technology (RIT) Department of Computer Engineering
Selected Articles	Article, "How Door64 became an Austin tech hub". Lori Hawkins, Austin American-Statesman. http://www.statesman.com/news/technology/how-door64-became-an-austin-tech-hub/nRpXx/ Article, "Cultivating an Austin Technology Community". Matt Genovese, Forefront Austin. http://www.forefrontaustin.com/feature/door64-austin-technology-community Article, "Door64 aims to build better tech community". Austin Kurth, Austin American-Statesman. http://www.statesman.com/news/business/door64-fair-aims-to-build-better-tech-community/nRfkx/ Blog, "From Tech Unemployment to Workforce Development". Matt Genovese, IEEE The Institute. http://theinstitute.ieee.org/ieee-roundup/opinions/ieee-roundup/from-tech-unemployment-to-workforce-development Blog, "Austin, Texas needs software engineers". Matt Genovese, IEEE The Institute. http://theinstitute.ieee.org/ieee-roundup/opinions/ieee-roundup/austin-texas-needs-software-engineers
Speaking	Speaker, "Building Community: Lessons from Door64". Various engagements, Austin, Texas (2010-2011). Speaker, "Using Drupal for Community Websites". PubCon South, Austin, Texas (2011). Panel moderator, "Community Management". Interactive Austin 2009 Conference, Austin, Texas (2009). Panelist, "The Art of Networking". Society for Women Engineers, Austin, Texas (2009). Panelist, "Consumer and Community Generated Content". PubCon South Conference, Austin, Texas (2009). Guest speaker, "Networking – The Missing College Course". Multiple universities (2009). Guest lecturer, "Driver Development". Embedded System Design graduate course, The University of Texas at Austin, Austin, Texas (2008). Guest speaker, "Functional Verification Methodology at Freescale Semiconductor". IEEE Computer Society, Rochester, New York (2006).
Publications	M. McDermott, M. Ravel, M. Genovese, "A Design Engineering Education Platform for SYSTEMatic Learning" (poster). Presented at the IEEE International Conference on Microelectronic Systems Education, San Diego, CA (2007). M. Genovese, "A Tool for Dynamic Data Capture and Visualization in Heterogeneous Simulation Environments." Report detailing tool created during Masters program at The University of Texas at Austin (2005). M. Genovese, "A Quick-Start Guide for Learning SystemC." Tutorial presented at The University of Texas at Austin as culmination of an independent study (2004). M. Genovese, "A Modular Approach for Data Extraction Using Perl," Teradyne Users Group Conference 2001, San Antonio, Texas (2001).