Matthew William Jibson

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Areas of interest

Scalabale web applications to solve interesting problems. With the emergence and availability of technologies like BigTable and cloud providers, web applications must be re-engineered with new paradigms. This allows the old applications to run much faster, and new applications to be developed that were before not possible due to technological limitations.

Work Experience

March 2012-present	**Stack Exchange**, Inc. Member of Technical Staff, *Software Developer* Implemented features for the Careers 2.0 website.
June 2011-March 2012	**Seagate Technology** Senior Engineer, *Firmware Organization* Developed custom tools and infrastructure support in mostly Python and SQL.
2000-present	**US Geological Survey** Consultant Developed Java programs for seismic landslide analysis.
June 2007-May 2009	**Innovative Advertising** Primary Developer Designed and created an online system for local ad distribution.
May 2008-Dec. 2008	**Seagate Technology** Intern, *Firmware Organization* Replaced a failing, 3rd-party, business-critical application with a custom tool.
June 2006-May 2007	**Apictura, LLC** Intern Wrote with JSP and Java EE servlets, networking services, servers, and other programming tasks.
May 2005-Jan. 2006	**SpectraLink** Intern Wrote Wireshark dissectors in C for propietary wireless protocols.
May 2004-Aug. 2004	**IBM** Intern Created a Java tool to improve productivity of the printer analysis team.

Education

2009	**M.S., Electrical Engineering** *Colorado State University, 3.2 GPA.* ADVISOR: Tom Chen.
2007	**B.S., Computer Engineering**

Colorado State University, 3.3 GPA.

2007   **B.M., Piano Performance**
Colorado State University, 3.3 GPA.

Software Development

2011-present   go-dsp
Digital signal processing library for the Go programming language (primary developer).

2000-present   SLAMMER
Programs for seismic landslide analysis in Java (primary developer).

2011   Journalr
A website for online, modern journaling in Python and Google App Engine (founder and developer).

2009-2010   Mission Office
A system and website for management, automated statistics, and office work of a medium-sized, distributed organization in Python and Google App Engine (creator and developer).

2007-2009   Biosensor
Analysis and graphing system for results of potentiostat expirements in Django (creator and developer).

2002-2008   Crescent Island
A multiplayer, online game in PHP and MySQL/PostgreSQL (principal developer).

OpenBSD ports
Submitted and had committed various ports to OpenBSD and FreeBSD.