

# Paul Howe

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## Experience

### SocialCode - [socialcode.com](#)

San Francisco, CA: Senior software engineer (July 2013 - Present)

- Django
- Python
- AWS / EC2 / RDS
- MySQL
- Celery

### Forio Online Simulations - [forio.com](#)

San Francisco, CA: Software engineer (November 2011 - June 2013)

Developed an online educational simulation used to teach concepts in venture capital and private equity portfolio management.

- Ruby
- JRuby
- Java
- MongoDB
- ZFS

### SimplyHired - [simplyhired.com](#)

Mountain View, CA: Contract software engineer (August 2010 - June 2011)

Developed a high performance email delivery system in Python to support the promptly delivery of email job alerts. The alerts delivery service was responsible for processing ~750k emails/hr.

- Python
- Multi-core processing

### SplinkMedia - [splinkmedia.com](#)

San Francisco, CA: Lead developer (April 2009 - April 2010)

Lead developer for the social media startup, SplinkMedia.com.

- Django
- Git
- Javascript
- Linux
- Memcache
- Nginx
- Python
- Postgres

### Yahoo! - [yahoo.com](#)

Sunnyvale, CA: Software engineer (September 2007 - April 2009)

As a member of the personalization gcing team I participated in platform development of a high performance data access service used for storing profile data for several highly trafficked sites at Yahoo. Contributed to several internal and external web applications.

- PHP
- MySQL
- Javascript
- C++

### Acxiom Digital (formerly Kefta) - [acxiom.com/digital-impact](#)

San Francisco, CA: Software engineer (March 2006 - September 2007)

Acquired by Acxiom Digital (April 2007)

Developed client campaigns on the Kefta web services platform. Developed marketing campaigns for several high traffic fortune 500 websites.

- Python
- Oracle
- Solaris
- Javascript

### Berlitz - [berlitz.com](#)

Brno, Czech Republic: English teacher (October 204 – October 2005)

Brno Language School, Czech Republic

### CT Diagnostic Imaging Center

Madison, WI: Web developer (March 2004 - May 2004)

Designed and Developed web site for the University CT Imaging group.

### Environmental Remote Sensing Center - [www.ersc.wisc.edu](#)

Madison, WI: Web developer & assistant systems administrator (December 2001 to May 2004)

Developed a web site to serve daily MODIS satellite imagery for the state of Wisconsin. Also Assisted in software maintenance and Unix system administration.

## Education

### University of San Francisco

San Francisco, CA: Masters - Computer Science (August 2008 – May 2012)

#### Coursework and Research

- Advanced Microcomputer Programming
- Distributed Software Development
- Artificial Intelligence
- Web Systems & Algorithms
- Security & Privacy
- Network Queueing Theory

### Lawrence Livermore National Laboratory - [llnl.gov](#)

Livermore, CA: Research internship (November 2010 - November 2011)

Participated in an internship at Lawrence Livermore National Labs to facilitate the testing and analysis of supercomputer performance modeling.

- MPIP
- Network Queuing Theory

### University of Wisconsin-Madison

Madison, WI: Bachelors of Science - Computer Science (May 2000 - May 2004)

#### Coursework

- Algorithm Analysis
- Artificial Intelligence
- Compilers, Object Oriented Development in Java
- Machine Organization & Digital Systems Fundamentals
- Programming Language Design
- Programming Language Theory (C, C++, Java)

### Previous university coursework

Rochester, MI; Royal Oak, MI; Detroit, MI (1998 - 2000)

- Oakland University
- Oakland Community College
- Wayne State University 1998 – 2000

#### Coursework

- Introduction to C++
- Network Programming in C

### Publications & documentation

- [MPIP supercomputer performance modeling research project documentation](#)
- [Near Real-time Internet Delivery of Processed MODIS Imagery in Wisconsin](#)

### Achievements

Winner of “Hacks / Hackers” 48 hour iPad application development competition sponsored by KQED for entry “Who’s reppin me?”, May 2010 [Link](#)

### Honors & scholarships

- 2012 USF Computer Science department fellowship award
- Scholarship to Grace Hopper Celebration of Women in Computing Conference 2010

### Presentations

Poster Presentation at the 12th Celebration of Student Research and Artistic and Scholarly Creative Activity (April 12 2011)

Titled “Supercomputer Performance Modeling”

Advising Professor: Jeff Buckwalter

### Technologies

- Django
- Node
- Rails
- Ruby
- Python
- Java
- Javascript
- SQL
- MySql / Postgres