

Paul Howe

pahowe@gmail.com

Objective

Experienced web developer seeking a position in a stimulating, challenging and rewarding environment

Experience

Forio Nov '11 to Jun '13

Software Developer

San Francisco, CA

Developing an online educational simulation used to teach concepts in venture capital investment and portfolio management.

(Ruby, JRuby, Java, MongoDB)

SimplyHired Aug '10 to Jun '11

Contract software engineer

Mountain View, CA

Developed a high performance email delivery system in Python to support an important business objective. This system at the time of writing processes approximately 3M email messages in approximately 4 hours.

(Python, Multi-core processing architectures)

SplinkMedia Apr '09 to Apr '10

Lead developer

San Francisco, CA

Lead developer for the social media startup, SplinkMe.com. As the lead technologist I'm responsible for high level technical strategy as well lead technical development. SplinkMe makes the most of its modest budget by being as resource efficient as possible and relying on high performance targeted server applications.

(Django, Git, Javascript, Linux, Memcache, Nginx, Python, Postgres)

Yahoo! Sept '07 to Apr '09

Software engineer (Personalization Engineering Team)

Sunnyvale, CA

Perform platform development of a high performance data access server product used to provide data for many high traffic sites around Yahoo!. In addition I work on several internal and external web applications.

(PHP, MySQL, Javascript, C++)

Acxiom Digital Mar '06 to Sept '07

(Formerly Kefta, acquired by Acxiom Digital – April 2007)

Software engineer

San Francisco, CA

Primary work consisted of implementing client campaigns on the Kefta web services platform. Developed marketing campaigns for many high traffic commercial websites. Technologies used: Python and Javascript extensively, SQL (Oracle), Python templating (Cheetah).

Health and Safety Standards.com Nov '05 – Mar '06

Web developer

San Francisco, CA

Developed a functional site for the United Auto Workers union (UAW) and Southeast Michigan Coalition on Occupational Safety and Health (SEMCOSH) groups.

(CSS, PHP5, MySql, XHTML)

Berlitz Oct '04 – Oct '05

Brno, Czech Republic

English teacher

Brno Language School, Czech Republic.

CT Diagnostic Imaging Center Mar to May '04

Web developer

Madison, WI

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

Environmental Remote Sensing Center Dec '01 to May '04

Web Programmer & Assistant Systems Administrator

Madison, WI

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

Education

University of San Francisco Aug 2008 – May 2012

San Francisco, CA

Masters in Computer Science, May 2012

Coursework: Advanced Microcomputer Programming, Distributed Software Development, Artificial Intelligence, Web Systems & Algorithms, Security & Privacy

University of Wisconsin-Madison 2000 – 2004

Madison, WI

Bachelors of Science in Computer Science, May 2004.

Oakland University, Oakland Community College & Wayne State University 1998 – 2000

Completed CS courses during high school

Relevant course work included:

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

Publications & documentation

- MPIP supercomputer performance modeling research project documentation
<http://plhw.org/docs/mpip-documentation.pdf>
- Near Real-time Internet Delivery of Processed MODIS Imagery in Wisconsin
<http://cfllibrary.uwcfll.org/node/326>

Achievements

- Winner of “Hacks / Hackers” 48 hour iPad application development competition sponsored by KQED, Mar 2010.

Honors

- 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 “Supercomputer Performance Modeling”. Advising Professor: Jeff Buckwalter. University of San Francisco, April 12th 2011

Skills

- Web: Django, Node.JS, Rails
- Languages: C, Java , Javascript, Python, Ruby, SQL