

Andrew Haven

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EXPERIENCE

February 2010 - December 2010

Software Engineering Consultant

Kelpie Consulting

- Estimated, designed and built public web sites.
- Built large public websites built on PHP and the Yii framework
- Leveraged and integrated Amazon AWS services for scalability and reliability.
- Interfaced with third-party services such as the Facebook API and Vzaar.
- Major project: [Facebook Studio](#)
 - Lead programmer and architect for the code base.
 - Managed user-submitted and admin-managed content.
 - Worked with external security auditor.
 - Worked on multiple phases of enhancements.

May 2010 - October 2010

CTO

The MML

- Moved to advisory role after acting as a technical officer.
- Worked with product owner on scope and scheduling.
- Primary coder for the project through October 2010.
- Built the site using PHP and Yii to run on AWS.

July 2010 - February 2010

Software Engineer

CyberSource

- Overhauled a customer-facing web application providing merchant configuration for one of the largest online payment processing systems.
- Maintained and updated existing code as well as added new functionality.
- Worked with Java, Struts, Tiles, JSTL, and jQuery as well as various internal libraries.
- Covered all layers of the application stack from UI to database access.
- Increased efficiency by introducing and advocating web-based code-review.

May 2006 - July 2010

Computer Analyst

Stanford University

- Independently supported a department consisting of ~50 users and many heterogeneous systems.
- Designed and developed MVC web applications using for time tracking, scheduling, and presentation evaluation.
- Wrote software for driving experiments using Matlab and C.
- Setup, maintained, tested and monitored file and web servers.
- Designed and implemented a multi-tier backup system for over 20TB.

August 2005 - May 2006

Freelance Web Developer

- Worked directly with clients on project scope and specifications.
- Designed and developed two e-commerce web sites for small businesses based on ZenCart.

Other Projects

- Created Perl Unit Frames, an addon for World of Warcraft downloaded millions of times.
- GitHub: <https://github.com/periodic>

EDUCATION

2008-2012

M.S. Computer Science

Stanford University through SCPD

Focus on software theory

Graduation: June 2012

2001-2005

B.S. Applied Physics

University of California, Santa Cruz

Minor in mathematics

Thesis on genetic algorithms for high-dimension numeric optimization

SKILLS

Development

C, Git, Haskell, Java, Javascript, PHP, Perl, Ruby, SQL, SVN

Web

Apache, CSS, HTML, J2EE, jQuery, Mongrel, MySQL, Ruby on Rails, Yii

Systems Administration

Operating Systems: Linux, Solaris, Windows

Services: DNS, HTTP, IPTables/PF, NIS, NFS, NAT, Email, Samba, TCP/IP, ZFS