Andrew Haven

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EXPERIENCE

Februrary 2010 - present	**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 - present	**Technical Advisor** The MML

- Moved to advisory role after acting as a technical lead.
- 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-present	**M.S. Computer Science (in progress)** Stanford University through SCPD
	Focus on software theory
2001-2005	**B.S. Applied Physics** University of California, Santa Cruz
	Minor in mathematics Thesis on genetic algorithms for high dimensional optimization problems

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