Andrew Berls

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Personal: andrewberls.com | GitHub: andrewberls

Objective

Web Development/Engineering position that enables me to use my skills to contribute directly to a product, while also learning new technologies and techniques.

Education

University of California, Santa Barbara (B.S., Computer Science - expected 2014)

Relevant Coursework

- Scalable Internet Services *(CS 290 – graduate level)*
- Data Structures & Algorithms *(CS 24, 130A)*
- Formal Languages & Automata *(CS 138)*
- Java Application Programming *(CS 56)*
- Project Development & Software Engineering Principles *(CS 48)*
- Object-Oriented Design & Programming *(CS 32)*

Skills & Tools

Proficient in: Ruby, Ruby on Rails framework, JavaScript, jQuery, CoffeeScript, SCSS, HTML/CSS, Git/GitHub, TDD

Gaining proficiency: Amazon EC2, MySQL/PostgreSQL, Drupal CMS

Professional Experience

Software Engineering Intern: RingRevenue, June 2012 – September 2012

- Worked with team of Ruby on Rails developers using TDD and scrum methodologies to build and deploy features for leading call performance marketing platform
- Participated in daily standups and development sprints encompassing story planning, feature development and testing, quality assurance, and deployment to customers
- I had the opportunity to work on a wide range of subjects, ranging from user interface design to data warehousing and reporting
- Gained experience with cloud deployments, operations, and technologies such as RightScale/AWS

Lead Web Developer: [SexInfo Online](#), April 2011 – present

- Rebuilt and transitioned existing student-built site onto a customized Drupal installation
- Trained and managed a team of other student web developers in order to manage content backend and implement new features
- Trained team of writers in basic Drupal content management
- Worked closely with supervising professors and team of writers in order to provide necessary tools and most effective site presentation

Web Developer: [Bruceb Consulting](#), June 2011 – September 2011

- Redesigned and rewrote code base for Bruceb Consulting' site, along with companion WordPress blog
- Transitioned from a table-based layout to modern standards in HTML/CSS and jQuery for improved navigation and ease of use

Web Manager: UCSB Residence Halls Association, September 2010 – June 2011

- Completely redesigned and rebuilt site to improve navigation and experience
- Maintained pages with information regarding current social and educational programs
- Implemented several initiatives such as transitioning equipment rental management to a paperless online system
- Wrote documentation for future webmasters and received NRHH Outstanding Leadership and Service Award for work completed

Selected Personal Projects:

- [payback.io](#) – web app for tracking spending + borrowing with friends or roommates. Optimized for mobile devices using custom-built responsive CSS framework. Built with Rails and deployed to the Heroku Cedar stack.
- SwapMeet – Bartering-based online marketplace for students, built for a graduate course on Scalable Internet Systems. Throughout the quarter, my team and I developed the application, designed and scaled out a tiered web architecture using HAProxy, Apache/Passenger, Rails, memcached, and MySQL, and studied optimization techniques for high load.
- [andrewberls.com](#) – portfolio site and open source blog engine built with Ruby on Rails
- FollowAlong – real-time presentation sharing and response tool targeted at students in large classrooms. I built a functional demo with a team of students at Startup Weekend Santa Barbara, where we were awarded Crowd Favorite and Best Presentation.

Awards

- NRHH Outstanding Leadership and Service Award (June 2011)

Organizations

- Co-Chair, Association for Computing Machinery (ACM), UCSB chapter
    - Responsibilities include organizing and hosting regular meetings, leading group projects and workshops, and working with officers to plan organization events. I also work with local companies to coordinate tech talks and info sessions on campus.