Arvind Satyanarayan

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EDUCATION

Bachelor of Science, Computer Science
University of California, San Diego (UCSD)
Major GPA: 3.83; Cumulative GPA: 3.74
Graduation Date: June 2011

SKILLS AND QUALIFICATIONS

6+ years working with Perl, PHP, MySQL and Javascript/Ajax under environments including Apache and Unix-based systems. 4 years of experience with Java and working knowledge of C/C++.

Proven team-work and leadership experience, especially through co-curricular and extracurricular activities.

Excellent written and oral communication skills.

AWARDS AND HONORS

Calit2 UCSD Undergraduate Summer Research Scholar
Ernest Mort Award for Excellence in Leadership, '09, '10
Tau Beta Pi (Engineering Honors Society) Active Member
Provost's Honors, Revelle College, UCSD, 2008 - 2010
Duke of Edinburgh Bronze, Silver and Gold Awards

PROFESSIONAL EXPERIENCE

Undergraduate Research Asst., *DCog-HCI Lab, UCSD*
June 2010 - Present

Developed several Flash and OpenGL applications to investigate interaction techniques to use on large displays.

Experimented with various multi-touch interaction techniques that would allow multiple users to naturally interact with an overlay on large displays.

Presented a poster summarizing the results of this research at a CalIt2 Welcome Week poster session.

Developed a Java framework, HIPerFace, that allowed interactions from multiple input devices to be combined into composite interactions and then output to a variety of display devices.

Co-authored a paper, *HIPerFace: a Multi-Channel Architecture to Explore Multimodal Interactions with Ultra-Scale Wall Displays*, describing this work and submitted it to the International Conference on Software Engineering 2011.

Web Intern, *Revelle College, UCSD*
June 2008 - Present

Maintained the Revelle College website, student organization websites and mailing lists.

Instrumental in migrating the Revelle College website to a new content management system.

Developed a new online photo gallery and worked with the Resident Dean on building a new Revelle Residence Life website.

Intern, Movable Type, *Six Apart Ltd.*
June 2008 - August 2008

Developed a new build system that removed the need to run make on code checked out from Subversion, and yet retained the ability to package multiple localizations.

Developed an extensible revision history framework for Movable Type (a blogging engine) database objects and corresponding "slider" and "diff" interfaces.

Developed a Perl-based system to allow community members to maintain accounts and profiles and submit plugins to be showcased for download.

Founder, Publisher, Developer, *Movalog.com*
August 2004 - December 2007

Author of an influential weblog in the Movable Type community featuring numerous tips, tutorials and articles.

Developed some of the most popular plugins for Movable Type. One plugin, CustomFields, was **acquired** by Six Apart and is now bundled with Movable Type.

ADDITIONAL EXPERIENCE

Resident Advisor, *Revelle College, UCSD*
August 2009 - Present

Ensured the well-being of 112 sophomore residents in on-campus apartments by building and maintaining close personal relationships with them.

Provided one-on-one peer-counseling as necessary.

Worked individually, and in teams, to plan eight events a quarter to address issues residents were facing. A strong emphasis was placed on social justice education.

Enforced Residence Life policies, the UCSD Student Conduct Code and Principles of Community.

Student Conduct Code Workgroup Rep., *UCSD*
June 2010 - Present

Appointed as one of nine student representatives to a campus-wide committee charged with rewriting the Student Conduct Code for the UC San Diego campus.

Revelle College Senator, *Associated Students UCSD*
April 2009 - June 2010

Helped author legislation for multiple student referenda to support public transportation and concerts and events.

Served on a committee to determine the feasibility of creating a 501(c)(3) organization to increase student autonomy.

Served on the ASUCSD Finance Committee to ensure that student fees were being allocated in responsible ways to student organizations and ASUCSD members.

Kickstarted various initiatives to increase the visibility and accountability of student government to our student constituents, especially through the use of online social media platforms such as Facebook and Twitter.