Neha Tammana

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Education

University of the Pacific
August 2012-Present
Major: Computer Science, Concentration: Software Development
Minor: Biological Sciences
Expected Graduation: May 14, 2016

Skills and Projects

- LinkedIn DevelopHer Hackday Finalist
  - Top 10 finalist team for the event.
  - Created a web application to encourage young girls to start learning basics of web development and programming.
- The Outing (Web Application Project)
  - Web application utilizing Yelp application programming interface (API).
  - Created an advanced search algorithm to give more specific results tailored to users' inputs.
- Cancer Patient Web Dashboard
  - Created a web dashboard using node.js, charts.js, and angular.js along with the Redis database.
  - Final product was an interactive dashboard for cancer patients to view side effects and other feedback on their drugs and regimens.
- Java Platformer Game
  - Java platformer game which utilized various Java libraries. We created our own physics engine to mimic real life situations in the game. Documented entire project with proper documentation complete with project proposals, status reports, and use cases.
- Experience through major projects in C++, Java, HTML, CSS, PHP. Documentation experience in LaTex.
- Fundamental knowledge in Scheme, Prolog, SML and Pascal through Programming Languages course
- Experience in Waterfall and Agile Scrum methodologies

Work Experience

Internship at Scry Analytics: May 2015- December 2015
- Learned to proficiently utilize Linux operating system
- Wrote shell scripts for project version control and to streamline other project processes
- Gained experience in various frameworks such as node.js and angular.js (Cancer Patient Dashboard)
- Exposed to databases such as PostgreSQL and Redis
- Able to proficiently use editing and documenting systems such as Vim and LaTex

Intern at Stanford Medical School, Department of Nephrology: May 2013- August 2013
- Researched nephrology under Assistant Professor of Nephrology, Dr. Vivek Bhalla, in a lab of 4 PhDs, 1 graduate student, and 2 undergraduate students
- Ran labs and experiments under the supervision of a PhD
  - Experiments including but not limited to gene cloning, cell transfections, and qPCR
- Made weekly presentations to explain these experiments to peers and mentors

Residence Hall Association (RHA), National Communications Coordinator: Sept. 2012-Dec. 2013
- Organized community members to attend various national leadership conferences
- Oversaw a $26k annual budget and organized elections for RHA

Extracurricular Activities

- **Classically trained singer of 12 years**
- **Center for Community Involvement, Volunteer Coordinator: August 2014- May 2015**
  - Organize volunteers from the Pacific community into volunteer opportunities
  - Part of the ReachOut Team within the Leadership Team
- **Volunteer Experience**
  - Alpha Phi Omega: National Service Fraternity- current Chair of VP Service
  - Stockton Shelter for the Homeless: January 2013- present
  - Atria Assisted Living: September 2013- present
- **Clubs**
  - South Asian Student Association- Treasurer

- Operation Smile- Philanthropy and Public Relations