

Parul Singh

parulsingh@berkeley.edu | (408) 507-7827 | 2535 Channing Way, Berkeley, CA 94704

EDUCATION

University of California, Berkeley

B.S. Electrical Engineering and Computer Science | Anticipated Graduation Date: May 2016

- Regents Scholar – Top 1% of matriculating class

WORK EXPERIENCE

Microsoft – Software Engineer Intern, System Center Configuration Manager/Microsoft Intune *May '14 – Aug. '14*

- Developed web app for SCCM & Intune developers to manage code check-ins to a codebase
- App also provides daily analytics on throughput of jobs, success/failure rates, and causes of failure
- Worked directly with developers to gather requirements and prioritize feature development
- Used the ASP.NET web application framework to build a single page application using the MVVM architecture
- Gained web development experience and learned data-binding with Knockout.js to create a JavaScript UI

Juniper Networks – Software Engineer Intern, Routing Protocol Development *May '13 – August '13*

- Created a client and server application in Java to illustrate the Path Computation Element (PCE) Routing Protocol
- Client and server application are available for community use on an open source forum called Open Daylight
- Application is being used to test router client implementations by generating malformed packets
- Learned about message passing, socket programming, and networking fundamentals
- Learned to use the Maven build tool, and how to build and create Maven projects

PERSONAL PROJECTS

Athena - First Place at Microsoft Intern Women Who Hack-athon, athena-app.azurewebsites.net *June '14*

- Developed a web application for computer science students to practice coding interview questions and get real feedback from professional computer scientists in the industry
- Application enables enrollment of students and mentors, provides social collaboration and networking opportunities
- Learned the ASP.NET web application framework with the model-view-controller (MVC) architecture

ScheduleMash Android Application *July '14 – present*

- Developing an application that merges multiple users' schedules to recommend an optimal time to meet
- Working with Facebook Graph API for login/user information and using Parse for the backend

SCHOOL ACTIVITIES

CS KickStart – President *Sept '12 - present*

- Organizing annual program to introduce incoming undergraduate women to the field of computer science with the goal of increasing the participation of females in UC Berkeley's computer science major
- Leading team of 20 female undergraduates in securing faculty speakers, advertising, and reviewing applicants
- Communicating with companies such as Lockheed Martin and Microsoft to secure funding for electrical engineering and programming workshops held during the program

AWARDS & SPECIAL RECOGNITION

Regents' and Chancellor's Scholar – Regents' Scholarship Recipient, Alumni Committee Member *August '12 - present*

- The Regents' Scholarship is the most prestigious scholarship awarded by UC Berkeley to undergraduates.

Leadership Award Recipient -- Cal Alumni Association *August '12 - present*

- The Leadership Award is a merit-based scholarship that recognizes Cal students who demonstrate innovative, motivational leadership impacting their academic, work, or community environments.

RELEVANT COURSEWORK & SKILLS

Proficient in Java, Python, C, C#, HTML, CSS, JavaScript, Eclipse, Visual Studio

Operating Systems (Fall 2014), Networking (Fall 2014), Algorithms, Data Structures, Machine Structures, Discrete Math & Probability Theory, Microelectronic Circuits, Structure and Interpretation of Computer Programs