**EDUCATION**

**University of California, Berkeley** Berkeley, CA

B.S. Electrical Engineering and Computer Sciences, CS GPA: 3.34 Expected May 2017

**RelevantCoursework**: Data Structures (61B - Java) | Machine Architecture (61C - C, MIPS) | Discrete Math (70 - LaTeX) Linear Algebra (54) | Unix (9e) | System Programming (162 - C) | Algorithms (170) | Database Systems (186 - SQL, Java) *Coursera*: Wharton Intro to Marketing, Wharton Intro to Operations Management.

**Interests**: Software Engineering | Backend Development | Algorithms & Data Structures

**EXPERIENCE**

**PeerLibrary** | Web Developer Sep 2015 – Present

* Using Meteor and CoffeeScript to add features to PeerLibrary, an online academic library. Collaborating using git.

**Infosys** | Software Development Intern Jun 2014 – Aug 2014

* Implemented a JavaScript intrusion alert system to detect Cross-site scripting (XSS) attacks on live web applications in real time.
* Achieved by cloning response HTMLs and adding them to a process queue. Deploying headless browsers (PhantomJS) on the server (Tomcat) using JavaServer Pages (JSP). Made a basic admin portal to view the attack log.
* Presented documentation, report and tests and demoed the software for the senior team of Infosys labs.
* Awarded second runner up at the annual Infosys InStep Business Plan Competition against 122 participants from top universities. Presented on Initiating operations in Colombia and why that is a strategic move.

**CITRIS Mobile App Challenge** | App Developer Feb 2014 – May 2014

* Developer at team *HandiRoute* for the CITRIS Mobile app challenge. *HandiRoute* is an android application designed to find disabled friendly areas. Achieved by crowdsourcing data and using the Google maps API.

**CS 61A Course Staff** | Lab AssistantFeb 2014 – May 2014

* Assisted students with projects, lab, homework and taught debugging techniques and best coding practices.

**Berkeley Centre for New Media** |Full Stack Developer Sep 2013 – Feb 2014

* Developer for the Web App*, Turing Test Tournament*. Used MongoDB, Node.js and ExpressJS for backend and Bootstrap for frontend. Wrote a chatbot for the app using ChatScript.
* Worked in a team using git and pair programming. Organized the ‘Meet My Bot’ hackathon to promote the website

**PROJECTS**

**Fortune Cookie** *Sep 2015.* Wrote python script to display a ‘Fortune’ by randomly selecting from a filtered list of sentences from The Daily Clog, a blog run by Berkeley. Used Scrapy to crawl and parse the blog’s website. Used text-processing.com’s sentiment analysis API to filter quotes’ mood by positive or negative.

**YouTrends** *Jun 2015*. Developed an Express app to graph video statistics such as view count, like count and like-dislike ratio for YouTube channels. Used YouTube data and HighCharts API. Hosted on Heroku. http://youtrends.gauravgarg.me

**Cards Against Humanity** *Mar 2015*. Used MeteorJS to develop webapp for the popular multiplayer party game, cards against humanity. Used MongoDB to store user accounts and game states. http://cards\_gg.meteor.com

**Parallelized Breadth First Search** *Oct 2014*.Wrote software to strongly solve a sliding puzzle using BFS traversal to create the game tree. Implemented in MapReduce model using the Apache Spark framework (python), optimized by partitioning and hashing. Ran the implementation on a cluster of AWS EC2 servers. (*61C Course project)*

**SKILLS**

Proficient: Java • Python • JavaScript • HTML | Learning new languages & frameworks

Experienced: C • Git • Unix • SQL | Web Dev (ExpressJS, Node.js, MongoDB, MeteorJS, Bootstrap)