

# Gaurav Garg

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## EDUCATION

### University of California, Berkeley

Berkeley, CA

B.S. Electrical Engineering and Computer Sciences, 3.17/4.0

Expected May, 2017

**Relevant Coursework:** Structure and Interpretation of Computer Programs (Python), Data Structures (Java), Machine Structures (C, MIPS), Operating Systems and System Programming (C), Unix, Discrete Math and Probability Theory, Linear Algebra. *Fall 2015:* Efficient Algorithms and Intractable Problems, Database Systems (SQL, Python).  
*Coursera:* Wharton Intro to Marketing, Wharton Intro to Operations Management.

## 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 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 Assistant

Feb 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

**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 API and HighCharts API. <http://youtrends.gauravgarg.me>.

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

**YouTube Side Search Sep 2014.** Built Chrome extension that adds a search box to the sidebar on YouTube and uses the YouTube data API to allow users to search and view results on the sidebar simultaneously while watching the video.

## SKILLS

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

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

*Last Updated on Aug 16, 2015*