Gaurav Garg

Berkeley, CA | garggaurav@berkeley.edu
github.com/garggaurav | gauravgarg.me | linkedin.com/in/garggaurav1

EDUCATION

University of California, Berkeley Berkeley, CA
B.S. Electrical Engineering and Computer Sciences, CS GPA: 3.34 Expected May 2017
Relevant Coursework: 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 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 and HighCharts API. Hosted on Heroku. 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

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

Last Updated on Sep 19, 2015