

Karun Singh

CORNELL UNIVERSITY 2018 · COMPUTER SCIENCE

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Education

Cornell University

Ithaca, New York

B.SC. IN COMPUTER SCIENCE, COLLEGE OF ENGINEERING

August 2014 - May 2018 (expected)

- Dean's List, all semesters so far (current GPA: 4.043).

Experience

Google

San Francisco, California

SOFTWARE ENGINEERING INTERN

Summer 2016

- Summer intern on the Google Wallet team at Google's San Francisco office.
- Implemented and demoed a project that heavily involved several backend technologies.

Electrical and Computer Engineering Department, Cornell University

Ithaca, New York

TEACHING ASSISTANT FOR ECE 2300: DIGITAL LOGIC AND COMPUTER ORGANIZATION

Jan 2016 - May 2016

- Held weekly office hours, oversaw lab sessions, and graded homework assignments and exams for the class.
- Worked under Professor Zhiru Zhang in a team of 10 Undergraduate, MEng, and PhD students.

RiteTag

Worked remotely (New Delhi, India)

SUMMER ENGINEERING INTERN

Summer 2015

- Implemented bulk tweet scheduling from CSV files and RSS feeds for the social media optimization platform.
- Developed a Twitter username autocomplete feature from scratch for Ritetag's website.

Projects and Activities

Cornell ACM ICPC Programming Team

Ithaca, New York

MEMBER

Aug 2014 - PRESENT

- Represented Cornell at the 2014 ACM ICPC Greater New York Regionals. Finished as the 3rd best S1 (freshman and sophomore only) team, and 17th overall. Finished 14th overall in the 2015 Greater New York Regionals.

Resistance Racing

Ithaca, New York

MEMBER OF THE ELECTRONICS SUBTEAM

Feb 2016 - PRESENT

- Working on a telemetry system for Resistance Racing - Cornell's engineering project team that is building an all-electric motorcycle.

Proudify

New Delhi, India

CO-CREATOR

Jun 2015 - Jul 2015

- Co-created Proudify, an online tool that adds the 'rainbow filter' to any picture.
- Proudify was featured on Product Hunt's homepage on June 28th, 2015, and received over 2,500 users in its first week.

Hackathons

ACTIVE PARTICIPANT AT COLLEGE-LEVEL HACKATHONS

Mar 2015 - PRESENT

- Created Scavenger at HackNY 2016, a real-time team-based scavenger hunt game that uses Clarifai, an image recognition API.
- Made a location-based Android version of Minesweeper at DandyHacks 2015. Received the award for the Second Best Hack.
- Created a location-based Pebble smartwatch version of Pokémon at BrickHack 2015. Received the award for the Best Pebble Hack.
- Developed Phill Me In, a neighborhood-rating website for Philadelphia backed by open datasets, at PennApps 2015.

Skills

Languages & Technologies

Java, C++, Node.js, SQL, Python, JavaScript, PHP, Git, Verilog HDL, OCaml, C, Assembly, HTML, CSS

Theoretical Coursework

Analysis of Algorithms, Intro to Cryptography, Functional Programming, Discrete Structures

Practical

Computer Vision, Database Systems, Object-Oriented Design and Data Structures Honors

Hardware-Oriented

Embedded Systems, Digital Logic and Computer Organization

Other

Astronomy, Microeconomics, Cognitive Science, Networks, Linear Algebra, Computing in the Arts