

# Rohan Kapoor

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## Professional Experience

### HelloTech

#### Software Engineering Intern

Santa Monica, CA 🌐 June 2015 — September 2015

- Used the Meteor framework to create and edit modules for admin CRUD management of customer data in the web app
- Worked with lead engineers and designers to implement a new UX optimized design for the admin panel using Bootstrap and jQuery with HTML/CSS/JavaScript
- Built a customer transaction history page, to improve customer data management, by pulling data from a MongoDB database
- Built the initial testing infrastructure using Robot-Framework, Selenium2Library, and PhantomJS (~160 unique scripts)

### SKM Industries Inc.

#### Freelance Product Developer

Valencia, CA 🌐 July 2015 — September 2015

- Tasked with designing, creating and deploying official company website ([skmindustries.com](http://skmindustries.com)), a singular access point for clients
- Created website design specifications using Adobe Photoshop, implementing a responsive and UX optimized design
- Built the entire site using Bootstrap with HTML/CSS/JavaScript
- Implemented JavaScript functionality for mobile using jQuery
- Analyzed site load times and optimized accordingly
- Photographed and edited, using Photoshop and CSS3 classes, all website images

### CodeHS

#### Computer Science Tutor

Palo Alto, CA 🌐 June 2014 — January 2015

- Taught computer science and programming fundamentals to students of all ages
- Graded and gave feedback on Java and JavaScript assignments
- Passed all course curriculum to better understand student needs and give more personalized feedback

## Technologies

### Languages

- C/C++, Java, Python, HTML/CSS, JavaScript, PHP, SQL

### Environments/Frameworks

- UNIX/Linux, git, MySQL, PhantomJS, Bootstrap, Meteor, Robot-Framework, FileMaker Pro, Adobe Photoshop

## Education

### University of California, Los Angeles (UCLA)

Computer Science and Engineering 🌐 Class of 2018

## Leadership Experience

### Gig

#### Team Lead

Los Angeles, CA 🌐 July 2015 — November 2015

- Initiated and led an online platform project to connect UCLA students with company recruiters
- Designed the website in Photoshop and built the front-end using HTML/CSS/JavaScript with Bootstrap ([uclagig.github.io](http://uclagig.github.io))
- Built and debugged PHP mailer forms

### Sigma Eta Pi (Entrepreneurship Fraternity)

#### Lambda Class President

Los Angeles, CA 🌐 September 2015 — December 2015

- Led a fundraising effort that raised \$1,400 for the fraternity
- Planned and coordinated professional and philanthropic fraternity events, each bringing in over 100 UCLA students

### Ekal Vidyalaya

#### Event Coordinator

Los Angeles, CA 🌐 September 2010 — April 2014

- Led a team to coordinate and spoke at annual events to raise money to build and sustain schools in rural India
- Most successful event raised nearly \$300,000

## Software Projects

### Web Steganographer

[github.com/rohanneilkapoor/Web-Steganographer](https://github.com/rohanneilkapoor/Web-Steganographer)

- Wrote, in C++, an open hash table with CRUD functionality and a feature to track elements' locations in their order of insertion
- Parsed through HTTP requests and subjected them to an LZW compression algorithm to encode and decode hidden messages in HTML source files.

### Boulder Blast

[github.com/rohanneilkapoor/Boulder\\_Blast](https://github.com/rohanneilkapoor/Boulder_Blast)

- A multi-level arcade-style shooter game written in C++ with OpenGL graphics
- Designed, built, and implemented the entire inheritance and polymorphic structure
- Implemented data structures to optimize game run time and minimize load times

### Minesweeper

[github.com/rohanneilkapoor/Minesweeper](https://github.com/rohanneilkapoor/Minesweeper)

- A multi-level version of Minesweeper written in Java
- Extended GridWorld framework to implement Java graphics library
- Utilized a polymorphic design scheme to ensure proper software design fundamentals