

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
- Used the Scrum project management tool, Kanbanery, to collaborate with engineers and designers and implement a new UX optimized design for the admin panel (used Bootstrap and jQuery with HTML/CSS/JavaScript)
- Based on user metrics, I built a customer transaction-history page (using MongoDB data) to improve customer-data management
- 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

- Roadmapped and produced the official company website (skmindustries.com), the primary access point for clients
- Created website design specifications using Adobe Photoshop, implementing a responsive and UI/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)
- 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
- Helped coordinate Bruin Startup Fair, UCLA's premier recruiting event featuring over 25 startups and over 200 students.

Ekal Vidyalaya

Event Coordinator

Los Angeles, CA ● September 2010 — April 2014

- Led, coordinated, and spoke at annual events to raise money to build and sustain schools in rural India
- Marketed events through various online platforms
- Most successful event seated nearly 1,000 individuals and raised nearly \$300,000

Software Projects

Web Steganographer

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

- 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

- 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