

Rohan Kapoor

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
- 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

- Tasked with designing, creating and deploying official company website (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

Job Shop Manager

Software Engineering Intern

Valencia, CA ● June 2011 — August 2011

- Designed and built a new employee training module using FileMaker Pro for multi-platform deployment
- Stored text, image, and video data in File Maker Pro's database
- Wrote FileMaker scripts to query and display interface screens derived from database

Volunteer Experience

Ekal Vidyalaya

Youth Group Coordinator

Los Angeles, CA ● September 2010 — April 2014

- Worked in 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

Education

University of California, Los Angeles

Computer Science and Engineering ● Class of 2018

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

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.

Gig

github.com/uclagig/uclagig.github.io

- Online platform to connect UCLA students with recruiters
- Designed and built the front-end using HTML/CSS/JavaScript with Bootstrap (uclagig.github.io)
- Built and debugged PHP mailer forms

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

Contact

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