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
- Linked all added functionality to customer data in MongoDB
- Built a customer transaction history page and implemented a new design for the customer section of the admin panel using Bootstrap and jQuery with HTML/CSS/JavaScript
- Wrote Robot-Framework test scripts using Selenium2Library with a PhantomJS environment (~160 unique scripts)

SKM Industries Inc.
Freelance Web Developer
Valencia, CA ◉ July 2015 — September 2015

- Tasked with creating and deploying official company website (skmindustries.com), a singular point of access for all clients
- Used Bootstrap with HTML/CSS/JavaScript to create a responsive and UX optimized design
- Implemented JavaScript functionality for mobile using jQuery
- Analyzed site load times and optimized accordingly
- Photographed and edited all website images using Photoshop and built in CSS3 classes

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++, Java, Python, HTML/CSS, JavaScript, Swift, PHP, SQL

Environments/Frameworks
- UNIX/Linux, git, MySQL, PhantomJS, Bootstrap, Meteor, Robot-Framework, FileMaker Pro

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

Contact

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