Gurnaaz Randhawa

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Education

University of California, San Diego   Overall GPA: 3.36
Bachelors of Science in Computer Science, expected June 2017   Provost Honors of 3.5+ GPA (Spring & Fall 2015)

Related Skills

Coursework:

1) Advanced Data Structures	4) Intermediate Programming Methodologies in C++
2) Computer Organization/Systems Programming	5) Components and Design Techniques for Digital Systems
3) Advanced Discrete Mathematics	6) Object Oriented Programming - Java

Programming Languages:

3 years of Java; other languages known: C++, HTML, CSS, XML, C, SPARC assembly, Python, JavaScript, Bash

Software Tools/ Operating System Platforms:

Microsoft Visual Studio, Eclipse, Windows, LINUX, J-unit testing, VIM, Android Studio, GVIM

Personal Skills:

Persistent and driven; excellent work habit skills. Eager, quick learner with strong team work spirit.

Relevant Work Experience

Product & Software Developer Intern   **June 2015 - Present**
Verizon
- Responsible for creating test scripts in Python and Bash that were used by the applications team for daily automation of the FiOS set-top box
- Designed a graphical interface using HTML, CSS, JavaScript, and jQuery that displayed set-top box statistics by incorporating data into dynamic, real-time charting libraries; it was primarily utilized for set-top box diagnostics
- Strengthened software skills while gaining much experience working in a business environment full-time

Android Application Developer Intern   **August - September 2014**
KidGenius
- Discovered possible bugs in the application in Eclipse using Java and added changes using XML to improve the visual design of the application.
- Improved time management skills, and demonstrated strong self-directed learning and multitasking.

Other Work Experience

Mathematics Tutor   **June – September 2013, 2014**
Kumon
- Tutored as many as 50 children weekly in upper-level mathematical subjects.

Marketing Intern   **June – August 2012**
Time To Save
- Developed marketing strategies with supervisors and implemented them through various means.
- Advanced teamwork and communication skills as there were multiple people with different specialties all working together to achieve a common goal.

Project Experience

Go-To Weather   **Summer 2015**
- Invented an Android application that displays the weather forecast for a user-inputted city
- Utilized Google's Autocomplete API, OpenWeatherMap's API, and customized list views to implement the application

6 Degrees of Kevin Bacon   **Winter Quarter of 2015**
- Wrote a program in C++ that would find the shortest path between an user-inputted actor and Hollywood actor Kevin Bacon
- Employed unordered_maps, Djikstra's Algorithm, and traversal algorithms to fully implement the program

Speedy Text   **Summer 2014**
- Created an Android application where users are prompted words and are required to type as many as possible within a certain time frame
- Used complex Android concepts such as Splash Screens, Shared Preferences, MediaPlayers to name just a few

Java Calculator   **Spring Quarter of 2014**
- Programmed an advanced calculator program that handles numerical quantities including physical and other units in Java using Eclipse.
- Applied the concepts of a Tokenizer and Abstract Syntax Tree to break up the user's input and properly calculate and output the result.