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) Software Engineering
3) Algorithms	6) Object Oriented Programming - Java

Programming Languages/Frameworks:

3 years of Java; other languages known: JavaScript, Android, C++, HTML, CSS, XML, C, Python, Bash, React.js

Software Tools/ Operating System Platforms:

Microsoft Visual Studio, Eclipse, Linux, J-unit testing, Vim, Android Studio, gVim, Sublime Text, Git

Work Experience

Software Engineering Intern   **June 2016 – September 2016**

Verizon Labs
- Designed a web app using HTML, CSS, JavaScript, and jQuery, while integrating the React.js framework, that allows users to view statistics of their Verizon IPTV set-top box
- Created a Rest API in C++ using FastCGI that displayed diagnostics of a set-top box in JSON format using RapidJSON; it is now situated on every set-top box
- Incorporated the JSON data into Javascript charting libraries such as D3 and Rickshaw Charts while supporting real-time and dynamic functionality
- Built stronger communication and leadership skills by presenting to executives and VPs regarding my project

Product & Software Developer Intern   **June 2015 – September 2015**

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
- Created a graphical interface using HTML, CSS, Javascript, and jQuery that took information from a CGI script and displayed the information in different charts using Chart.js
- Strengthened software skills while building stronger teamwork & interpersonal skills by working in a business environment

Android Application Developer Intern   **August 2014 - September 2014**

KidGenius
- Fixed bugs in the application in Eclipse using Java by going through different user scenarios
- Added changes using XML to improve the visual design of the application
- Improved time management skills, and demonstrated strong self-directed learning and multitasking

Project Experience

Go-To Weather   **Summer 2015**

- Designed an Android application in Java and XML using Android Studio that displays the seven-day weather forecast for a user-inputted city
- Integrated Google's Autocomplete & OpenWeatherMap's APIs, customized list views, and SQLite databases for full implementation

6 Degrees of Kevin Bacon   **Winter 2015**

- Wrote a program in C++ that finds the shortest path between a user-inputted actor and Hollywood actor Kevin Bacon
- Employed unordered_maps, Djikstra's Algorithm, and traversal algorithms to successfully complete the program

Speedy Text   **Summer 2014**

- Created an Android application in Java using Eclipse 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 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 calculate and output the result