

Gurnaaz Randhawa

1671 New Brunswick Avenue, Sunnyvale, CA, 94087
(408)-329-0300 | gurnaaz@gmail.com

Education

University of California, San Diego

Bachelors of Science in Computer Science, expected June 2017

Overall GPA: 3.31

Provost Honors with 3.5+ GPA (Spring 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 VIM using 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 the data into dynamic, real-time charting libraries; it was primarily utilized for set-top box diagnostics
- Expanded software skills and knowledge 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

6 Degrees of Kevin Bacon

Winter Quarter of 2015

- Wrote a program in C++ using GVIM that would find the shortest path between an user-inputted actor and Hollywood actor Kevin Bacon
- Employed unordered_maps, Dijkstra's Algorithm, and traversal algorithms to fully implement the program

Android App Development

Summer 2014

- Invented two Android applications: one that requires users to quickly type words presented to them, and another that outputs the weather of a user-inputted zip code, both in Eclipse using Java and XML.
- Utilized complex Android concepts such as APIs, SharedPreferences, and ScrollViews 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.