

# Gurnaaz Randhawa

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## Education

University of California, San Diego

Graduation Date: June 2017 (expected)

**Bachelors of Science in Computer Science**

## Related Skills

### **Coursework:**

- |  |  |
|--|--|
| 1) Advanced Data Structures                  | 4) Intermediate Programming Methodologies in C++ |
| 2) Computer Organization/Systems Programming | 5) Object-Oriented Design                        |
| 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

### **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 both Python and Bash that were used by the applications team for daily automation of a product
- Designed a website that displayed diagnostics from a CGI file by incorporating the data into dynamic, real-time charting scripts
- Expanded software skills and knowledge while gaining experience working in a business environment full-time

### **Android Application Developer Intern**

**August - September 2014**

KidGenius

- Discovered minor bug issues in 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

### **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.

### **Android App Development**

**Summer 2014**

- Invented an Android game application that requires users to quickly type words presented to them and an Android application named Sunshine that outputs the weather of a user-inputted zip code in Eclipse using Java and XML.
- Utilized complex Android concepts such as APIs, SharedPreferences, and ScrollViews to name just a few.

### **20 Degrees of Kevin Bacon**

**Winter Quarter of 2015**

- Wrote a program 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