

Grant Kimes

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EDUCATION

University of Miami – *(Coral Gables, FL)*

(Grad. May 2017)

Bachelor of Science in Software Engineering

GPA: 3.8

PROJECTS

> **Smart Compass:** Created an Android app in Java where the user selects a nearby location on a map, and an arrow guides them towards the destination without the need for an address. Particularly useful when street navigation is not useful, such as within a large building or on a college campus.

> **Text Message Analysis:** Developing a web application using Django that allows a user to upload an iPhone backup file and view analysis of their text messages. Features include viewing a conversation on any date, calculating most commonly used words, and generating a possible new message based on past ones.

> **Data Mining Research:** Working with my database professor to create a web interface for an Apache Spark big data cluster. Focusing on image and video recognition.

> **GrantKimes.com:** Visit my website for more information on projects and to see my code on Github.

EMPLOYMENT

SBB Research Group *(Northbrook, IL)* - Hedge Fund

(May – August 2016)

Software Engineering Intern

- Redesigned a web application that displays aggregate company metrics. Restructured SQL queries and converted from PHP to Java, resulting in runtime being reduced from minutes down to a few seconds.
- Contributed to development of a project used for future projection of company investments based on analysis of historical data. Focused on frontend data visualization with JavaScript graphing libraries, as well as backend AJAX database requests.

University of Miami Computer Engineering Department *(Miami, FL)*

(August 2015 - Present)

Programming Teaching Assistant - Algorithms in C++, Data Structures

- Led class discussion sessions about core concepts used in programming, including hash functions, graph traversal, object oriented techniques, and analysis of time & space complexity.

MBX Systems *(Libertyville, IL)* - Server Manufacturer

Engineering Intern

(May - August 2015)

- Researched an object oriented storage platform developed by Seagate for data centers, and analyzed its impact on cost and performance compared to traditional storage methods.
- Wrote a white paper and presented findings to the executive officers and engineering team.

Assembly Technician

(May - August 2014)

- Assembled computers and servers according to unique customer build orders.

SKILLS

Full Stack Web Development - Relational Database Design - Mobile Application Development - 3D Modeling - Algorithm Analysis - Dynamic Programming

Languages: C++, Java, SQL, PHP, JS, HTML, CSS, Python, OpenGL, Bash, Git

COURSEWORK

Software Architecture - Operating Systems - Internet Security - Computability & Complexity

Embedded Systems - Network Programming - Software Design & Verification - Computer Graphics

LEADERSHIP

Phi Mu Alpha Sinfonia - National Music Fraternity

(August 2013 – Present)

President, Webmaster

- Led and organized operations of the chapter, and managed executive board responsibilities.

HONORS

Tau Beta Pi - Engineering Honor Society

Eta Kappa Nu - IEEE Electrical and Computer Engineering Honor Society

University of Miami Provost's Honor Roll & Dean's List