**EDUCATION**

**Stevens Institute of Technology, Hoboken, NJ**

Master of Science in **Computer Science**, June 2017 **GPA: 3.7**

Certificate of Engineering in **Software Engineering**, June 2017

Bachelor of Engineering in **Computer Engineering**, June 2016 **GPA: 3.5**

**SKILLS**

**Languages:** Java (proficient), Python (proficient), Javascript (proficient), C, C++, R

**Web Application Technologies:** Apache 2, Node.js, Express.js, Flask, Django, HTML, CSS, XML and JSON, Bootstrap, Skeleton, Jinja2, Handelbars

**IDEs:**  MuleSoft Anypoint Studio, Android Studio, Eclipse, Arduino 1.6.5, Microsoft Visual Studio, Spyder

**Project Management Software:** JIRA Agile Kanban Project Management, Confluence Team Collaboration Software

**Data Analysis Tools:** ELK Stack, RStudio, Numpy and Pandas

**Database Experience:** MySQL, MongoDB, SQL Lite, Django Models

**Operating Systems:** Windows 7, 8, 10, Ubuntu 14.04, 16.04, OSX 10.11

**Strengths:** SDLC and Agile Methodology experience, Debugging across multiple languages and platforms

**Related Coursework:** Introduction to C++, Introduction to Java, Computer Algorithms, Applied Algorithms and Data Structures, Information Systems, Database Management Systems, Microprocessor Systems, Digital System Design, Computer Organization and Programming, Software Cost and Estimation, Introduction to Power Systems, Smart Grid, Data Mining, Web Programming, Operating Systems, Agile Development, Financial Engineering, Python for Financial Applications, Algorithms and Data Structures in Python

**INTERNSHIPS**

**Becton Dickinson, Franklin Lakes, NJ**

**Information Technology Leadership Program Intern** Summer 2016

* Built Java-based RESTful APIs in the MuleSoft Enterprise Service Bus to integrate legacy systems
* Constructed interactive dashboard with data analysis tool to monitor all applications currently deployed and saved the business several hours of testing a week

**Crestron Electronics, Rockleigh, NJ**

**Software Development Intern** Summer 2014

* Developed Perl scripts to extract identification data from package files and relieve our team from searching for that information
* Conducted pre-production and full-production tests on devices to determine whether they should go to production
* Edited MFC-based code to make software interface face windows re-sizable

**DESIGN PROJECTS**

**Financial Web Application** Fall 2016

* Designed web application to advise clients on achieving their financial goals with four group members
* Built front end of website with HTML, CSS, and client-side Javascript to collect client financial information
* Designed Node.js modules to handle financial computations
* Built back end with Express.js and MongoDB

**Diabetes Data Analysis** Fall 2016

* Conducted data analysis of diabetes records from all counties of the United States
* Analyzed obesity, physical inactivity, and poverty prevalence indicators to predict diabetes prevalence for a county
* Used K-Nearest Neighbors, K-Means, and Random Forest Algorithms in RStudio to facilitate analysis
* Achieved resultant model that indicates a distinct correlation between diabetes and physical inactivity

**CPU Scheduling Algorithm and Multi-Threaded Simulations** Fall 2016

* Designed event-based object-oriented simulations to model CPU scheduling and memory allocation
* Extended simulation to encompass Shortest Job First, Priority-Based, and Round-Robin scheduling algorithms
* Implemented doubly-linked ring in Java to bind events together for event iteration
* Implemented multi-threaded Producer-Consumer simulation

**ACTIVITIES**

**Chi Psi Fraternity President** 12/2014- 12/2015

* Led 30 undergraduates to feel comfortable confronting one another and restored trust within our brotherhood
* Built successful relationships with my executive board and as a result, scheduled house repairs and organized social events

**Available June 2017 upon graduation, US Citizen**