**Jinwoo Jacob Kim**

**EDUCATION:**

**Georgia Institute of Technology, Atlanta, GA**

***Bachelor of Science in Computer Science (August 2017 – Present; Expected Graduation: May 2020)***

* GPA: 3.86/4.0 ***(****Dean’s List Spring 2017)*
* Threads: Intelligence, Media
* Selected Coursework: Data Structure and Algorithms (Java), Object and Design, OOP, Intro to AI(Python), Computer Organization and Program(C), Design and Algorithm, Computer Graphics, Computer Audio

**TECHNOLOGY SUMMARY:**

**Programming Languages:** Java, Python, C, C++, SQL, Tcl

**Frameworks and Tools:** OSGI, Github, Agile

**Other Related Skills:** Microsoft Office (Excel, PowerPoint, Word)

**PROFESSIONAL EXPERIENCE:**

**Datapath, Duluth, GA, USA**

***Software Engineer Intern, May 2018 – August 2018***

* Created an automated SMS service for Datapath’s MaxView Software in Java OSGI framework to replace legacy mailing service
* Designed admin configuration pages using web designer tool DGLux5 and JavaScript to allow greater ease of use and integration
* Improved user specific configurability by display cell-phone carrier data provided by SQL database
* Interfaced with satellite data and commands using SNMP and UDP protocols in Tcl scripts to process unreadable satellite bit stream data into user readable values

**Center for 21st Century Universities, Atlanta, GA, USA**

***Research Assistant, November 2017*** ***– April 2018***

* Collaborated with Deloitte’s data science team to aggregate strategic plans and budgets for 600+ public universities across the U.S. and find trends in current and future university plans in respect to funding from state governments
* Created Python program to automatically pull search results of spread sheet items to optimize time spent in initial data gathering phase
* Facilitated speedier and less error prone analysis of data by writing Python/Batch scripts to convert pdf files to plain text

**PERSONAL PROJECTS:**

**Unix Based Shell**

* Developed a custom shell for Unix Environment built from scratch in C++ with features such as foreground and background job handling, built in functions, and basic piping functionality
* Used low level system calls to communicate with the Unix OS to perform various tasks

**New York City Rat Population Tracker**

* Created an Android mobile app that records incidents of rat sightings in NYC to help users avoid high rat traffic
* Integrated Firebase into the app to store user information and rat sighting data and allowed users to view other user’s entries
* Improved sighting information readability by integrating 3rd party graphing API to create data visualization of rat sighting occurrences over time

**Smart-Bell**

* Created a prototype IOT dumbbell using an Arduino device to keep track of number of reps and sets performed using Arduino sensors
* Experimented with using Bluetooth capabilities in Arduino device to send workout data back to computer for analysis
* Developed a Python program to calculate next workout based on transmitted set data and previous workout routine to simplify user workout experience

**EXTRACURRICULAR:**

**Student Government Association** *(IT Board Committee) August 2018 – Present*

**VGDev** *(Member) August 2018 – Present*

**Power Lifting Team** *(Member)* January 2017 *– August 2017*