**Jinwoo Kim**

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**EDUCATION**

**Georgia Institute of Technology**,Atlanta, GA*August 2017 - Present*

*Bachelor of Science in Computer Science* ***Expected Graduation: May 2020***

* **GPA: 3.87/4.0**
* Concentration in Artificial Intelligence and Information Internetworks
* Relevant Coursework: Data Structure and Algorithms, Object and Design, Computer Organization and Programming, Design and Analysis of Algorithms, Database Systems

**PROFESSIONAL EXPERIENCE**

**Amazon | Analytics Data Platform at A9.com, Palo Alto, CA**

***Software Engineer Intern, May 2019 – August 2019***

* Created a service that generates cost reports of executing queries on AWS EMR clusters
* Implemented cost calculation model for EMR cluster usage resulting in improved cost transparency for users
* Provided insights for potential cost savings of up to 83% for internal usage of EMR clustsers

**Datapath, Duluth, GA**

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

* Implemented a pipeline that connects live satellite sensor data to customer-facing web interfaces
* Created an automated text message notification system to alert critical persons in case of system failure
* Designed supplementary admin web pages for configuring user settings in client databases

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

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

* Collaborated with Deloitte’s education services division to analyze future strategic plans of 600+ universities
* Expedited manual data aggregation phase by creating a script to programmatically Google search items found in CSV reference file
* Preprocessed data by creating script that extracts text from pdf files resulting in trivial tokenization

**PROJECTS**

**ReLeaf | Junior Design Project**

* Built Android app that promotes environmentally friendly habits for client Jones Sustainable Solutions, LLC
* Worked on full stack of technology acting as both NoSQL database architect and front-end engineer
* Implemented gamification techniques to encourage users to participate in daily challenges
* Made with Android Studio and Firebase

**Unix Based Shell**

* Developed a custom shell for Unix Environment in C++ with features such as foreground and background job handling, built-in functions, and basic piping functionality
* Used system calls to interface with the Unix OS directly

**Smart-Bell | Hackathon Project**

* Created a prototype IOT dumbbell using an Arduino device with motion sensors to keep track of the number of repetitions preformed in a set in an attempt to simply the workout experience
* Experimented with using Bluetooth capabilities in Arduino device to send workout data back to computer for analysis
* Developed a Python program to create future workouts using transmitted data for a personalized experience

**SKILLS & ACHIEVEMENTS**

**Programming Languages:** Proficient in Java and Python; experienced with SQL, HTML, Tcl; familiar with C, C++, CSS

**Technologies:** AWS, Firebase, Android, Git, Unix, PostgreSQL, MySQL

**Achievements:** National Merit Finalist 2016, Google Games 7th Place Overall 2019