

Jinwoo Kim

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EDUCATION

Georgia Institute of Technology, Atlanta, GA
Bachelor of Science in Computer Science

August 2017 - Present
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 clusters

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 performed in a set in an attempt to simplify 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