

# Jinwoo Kim

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## EDUCATION

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**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

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**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 a solution for potential cost savings of over \$10,000 per month for A9.com

**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 21<sup>st</sup> 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

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**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

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**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 7<sup>th</sup> Place Overall 2019