Brian Pak

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EDUCATION

Georgia Institute of Technology | Atlanta, GA　　　　　　　　Expected Graduation: May 2024
B.S – Computer Science　　　　　　　　　　　　　　　　　　　　　　　　　*GPA: 3.13*
Coursework: Data Structures & Algorithms, Computer Programming & Organization, Automata & Complexity Theory, Combinatorics, Discrete Mathematics, Linear Algebra

SKILLS

Languages: Java, C, C++, JavaScript, HTML/CSS, Python
Technologies: Git, React.js

EXPERIENCE

Participating Member | GT Agency　　　　　　　　　　　　　　　January 2022 - May 2022
- Implemented a deep neural network of three layers in **Python** that interprets around 10,000 handwritten digits MNIST data to understand fundamental deep learning concepts and basics to ML Libraries.
- Attended lecture meetings to gain awareness about other AI subfields of interest, like Reinforcement Learning, Machine Learning Theory, and Computer Vision.

PROJECTS

Unix Utilities | *C*
- Implemented a collection of eight Linux/Unix command-line commands, including head, tail, env, and word count.
- Utilized **C Standard Library Functions** to properly make requests to the Linux Kernel for function implementations.

Geography Quiz | *JavaFX, JUnit, Maven*
- Created a GUI for an interactive geography quiz, which asks the user to pair countries with continents and converts results to binary for later use.
- Utilized **JavaFX** to develop the frontend of the interface, implemented six **JUnit** tests to validate the program, and managed the project using **Maven**.