Heejoo Jin

Student + Developer

I am interested in the intersection between computer science and healthcare.

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EDUCATION

Georgia Institute of Technology, Atlanta, Georgia, U.S. | August 2017 - December 2021
Bachelor of Science in Computer Science | GAP: 3.73 / 4.0

SKILLS

Java, Python
Keras, OpenCV
HTML, CSS, SQL

EXPERIENCE

DEEPNOID, Seoul, South Korea | October 2020 - Present
Deep Learning Research Intern
· Work with National Cancer Center on developing a deep learning model for breast cancer histology image classification.
· Ensure the deployment of the model and Grad-CAM implementation for model explainability.

Samsung Electronics, Suwon, South Korea | June 2020 - August 2020
Software Engineering Intern
· Designed a Bluetooth Low Energy (BLE) connectivity solution for Galaxy Buds that allows automatic switching to the active audio source between multiple Galaxy mobile devices.
· Developed an Android application that measures the success of the Proof of Concept, using Java and Android BLE API.

Exoskeleton and Prosthetic Intelligent Controls (EPIC) Lab, Georgia Tech | May 2019 - December 2019
Machine Learning Undergraduate Researcher
· Developed a machine learning model that estimates user's gait phase and walking speed in a powered hip exoskeleton.
· Utilized electromyography (EMG) sensors and Vicon motion capture system to understand user's gait dynamics.

Warner Bros. Entertainment, Atlanta, Georgia, U.S. | January 2019 - May 2019
Quality Assurance Analyst Intern
· Debugged and optimized the performance of mobile games, apps, and console games that reached 1,000,000+ users.
· Performed testing and documented defects in a clear and concise manner on Jira bug tracking database.

Augmented Environment Lab, Georgia Tech | August 2018 - December 2018
Augmented Reality Undergraduate Researcher
· Contributed to the AR development and idea creation of a mixed reality theatre performance, "The Safety Show" in collaboration with DramaTech Theatre at Georgia Tech.

PROJECTS

Cardiovascular Disease Classification | Machine Learning
· Conducted a comparative study of different machine learning algorithms to evaluate their accuracies.
· Used various data preprocessing techniques to optimize its performance using Python, Scikit-learn, and Keras.

Space Trader | Android Application Development
· Developed an Android application that reintroduces a classic open-source Palm Pilot game called "Space Trader."
· Led a team of 4 members and worked in all phases of the project, including conceptualizing our own version of the game, programming in Java, testing, and creating interactive user interface design.

LEADERSHIP

Korean American Scientists and Engineer Association (KSEA), Georgia Tech | January 2018 - Present
President
· Direct various professional development & networking events for Korean-American students at Georgia Tech.
· Oversee and coordinate fundraising events that have raised $1,000+ and secured lasting relationships with sponsors.