

Heejoo Jin

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EDUCATION

Georgia Institute of Technology, Atlanta, Georgia, USA

Bachelor of Science in Computer Science

- Concentration: Media & Intelligence

- Courses: Object-Oriented Programming, Data Structure & Algorithms, Artificial Intelligence, Objects and Design

Yonsei University, Seoul, South Korea

Summer Study Abroad Program

August 2017 – Present

Expected Graduation: Spring 2021

GPA: 3.74/4.0 | Dean's List

June 2018 – August 2018

GPA: 3.90/4.0

EXPERIENCE

Exoskeleton and Prosthetic Intelligent Controls Lab (EPIC Lab), Georgia Institute of Technology

May 2019 – Present

Machine Learning Undergraduate Researcher

- Design a machine learning model in Python using Keras that estimates gait phase and walking speed in real-time so that it can effectively provide corresponding assistance in a powered hip exoskeleton during movement.
- Utilize biomechanical measurement systems such as IMU & ENG sensors and VICON to understand user's gait dynamics.

Turner Broadcasting System (TBS) - Cartoon Network Digital, Atlanta, Georgia, USA

January 2019 – May 2019

Games Quality Assurance Analyst Intern

- Debugged and optimized the performance of mobile games, apps and console games that reached 1,000,000+ users.
- Identified and documented defects in a clear and concise manner on Jira bug tracking database.
- Performed Compatibility, Functionality, Regression, Smoke and GUI testing and test documentation using TestRail.
- Used Jira REST API, Javascript, and JQuery to build a web page that efficiently collects and organizes data from Jira.

Augmented Environment Lab, VIP Program, Georgia Institute of Technology

August 2018 - December 2018

AR Undergraduate Researcher

- Built an AR experience that allows users to configure theatrical scenography and enhance devised theatre process by virtually placing different properties onto a performing stage using C#, Unity3D, and Ricoh 360° camera.
- Designed socially engaged AR storytelling for theatre performance, "The Safety Show" in collaboration with DramaTech.
- Conducted user research on Viewpoints and Rasaboxes, techniques of performance art for creating movements.

PROJECT

SPACE TRADER – Space Game | github.com/heejoojin/SpaceTrader2340

Android Application Project | CS 2340 Objects & Design

- Collaborate with a team of 4 members to develop an application on Android Studio that reintroduces the 1980s classic game, Space Trader to users using Java and Agile software development.
- Apply functional and friendly UI design that allows users to freely add or remove events from the application.

MUNY - Pottery Studio Web App | munystudio.herokuapp.com

Web Application Project | Women's Web App Development Workshop with Hubspot

- Created a website application using Heroku, HTML, CSS, Javascript, and Node.js to market MUNY pottery studio.
- Implemented Google Firebase API for database storage and integrated Google Analytics to analyze customer traffic.

LEADERSHIP

Korean American Scientists and Engineers Association (KSEA), Georgia Institute of Technology

Vice President

May 2019 – Present

- Work with the President & Event Director to organize professional development events for a 135-member organization.
- Build lasting relationships between current members and alumni, advisor professors, and the adult KSEA chapter.

Finance Director

January 2018 – April 2019

- Served as the primary signatory on financial accounts & transactions and provided budgetary oversight.
- Coordinated fundraising events that have raised \$1000+ and secured the relationship with current sponsors.

Atlanta Asian American College Fair 2017 & 2018 & 2019, Suwanee, Georgia

September 2017 – August 2019

College Representative Student Consultant

- Provided guidance to students and parents on preparation for college application with individualized attention.
- Promoted benefits of the institution and delivered detail overview of class offerings to prospective college students.

SKILLS

Programming Languages: Python, Java, HTML, CSS, C#, Javascript, VPython

Tools: Keras, Android Studio, Adobe Photoshop, VICON, Unity3D, A-Frame

Languages: English – Fluent, Korean – Fluent, Japanese – Beginner, German – Beginner

Interests: Pottery, Painting, Travel, Thriller Movies, Documentaries