

# 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, Machine Learning

**Nanyang Technological University**, Singapore

**Computer Science Exchange Program**

**August 2017 – Present**

Expected Graduation: Spring 2021

GPA: 3.74/4.0 | Dean's List

**January 2020 – Present**

## EXPERIENCE

**Siemens Healtineers**, Erlangen, Germany

**Incoming Innovation Think Tank Informatics Intern**

**May 2020 – August 2020**

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

**Machine Learning Undergraduate Researcher**

**May 2019 – Present**

- 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.

**WarnerMedia Cartoon Network Digital**, Atlanta, Georgia, USA

**Games Quality Assurance Analyst Intern**

**January 2019 – May 2019**

- 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

**AR Undergraduate Researcher**

**August 2018 – December 2018**

- 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](https://github.com/heejoojin/SpaceTrader2340)

**Android Application Project** | CS 2340 Objects & Design

- Collaborated 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.
- Applied 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](https://munystudio.herokuapp.com)

**Web Application Project** | Personal Project

- 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

**College Representative Student Consultant**

**September 2017 – August 2019**

- 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, German – Beginner, Japanese – Beginner

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