

# Jinwoo Park

(714) 713-8826 • [jpark955@gatech.edu](mailto:jpark955@gatech.edu) • <https://github.gatech.edu/jpark955>

## EDUCATION

**Georgia Institute of Technology**, Atlanta, GA

August 2019 – Present

- Bachelor of Science in Computer Science
- GPA: 4.0

## SKILLS

**Programming:** Java, C, JavaScript, node.js, React, SQL, MongoDB, HTML, CSS, C++, Python, Flask, OpenCV

**Software:** Git, Alexa Developer Console, Microsoft Office Suite

**Hardware:** Amateur Radio Technician License, PCB Fabrication

**Coursework:** Object Oriented Programming, Data Structures and Algorithms, Computer Organization and Programming, Objects and Design, Database Systems, Systems and Networks, Linear Algebra, Multivariable Calculus, Combinatorics, Statistics

**Languages:** *Native:* Korean, *Beginner:* Spanish

## EXPERIENCE

**GT Intelligent Tutoring Systems**, Atlanta, GA

January 2021 – Present

*Full Stack Developer*

- Developed the backend for an online JavaScript IDE using node.js, Express.js, axios, and MongoDB to be used by digital signal processing courses with around 400 students per semester
- Designed an API to communicate between the React application and an AI chatbot running off a cloud Flask server to provide answers to student questions on textbook topics
- Built the frontend for a dynamic code editor that implements TDD and HCI concepts to produce more understandable error messages for beginner programmers
- Improved error response rates by 500 milliseconds to produce near instantaneous code feedback to students by directly parsing interpreter data over the built-in syntax checker

**GT Tutoring and Academic Support**, Atlanta, GA

May 2021 – Present

*Tutor*

- Tutoring Georgia Tech students on subjects ranging from Introduction to OOP to Applied Combinatorics

## PROJECTS

**Zen**, Atlanta, GA

October 2021

- Utilized OpenCV's skeletonize function to convert images into a list of 2D coordinates that can be put through a custom pathing algorithm to allow a metal ball to trace the image in sand by following a magnetic arm
- Won "Best Hardware Hack" at HackGT 8

**March On Website**, Atlanta, GA

September 2020

- Constructed a website focused on assisting college students with anonymously organizing and finding local protests
- Served as a frontend developer on a team of two, familiarizing myself with HTML, CSS, and JavaScript

**Trash Talker**, Atlanta, GA

February 2020

- Utilized Google's Gson library to deserialize MIDI json files and represent sheet music as a simplified matrix
- Won 2<sup>nd</sup> place at HackGT Horizons for an instrument that uses recycled bottles to play music using the generated matrix

**Dine Today Alexa Skill**, Atlanta, GA

October 2019

- Developed an Amazon Alexa Skill that performs a web scraping of Georgia Tech's dining website using BeautifulSoup 3 to announce dining hall menus

## ACTIVITIES

**GT Web Dev Club**, Atlanta, GA

August 2021 – Present

*Technical Officer/Project Manager*

- Led tutorials and student web development projects to offer technical expertise on the MERN stack
- Serving as project manager to multiple teams tasked with restructuring the March On project to work in the MERN stack

**GT Yellow Jacket Space Program**, Atlanta, GA

August 2021 – Present

*Master Computer Flight Software Developer*

- Developing the ground control software to fly the first collegiate liquid fueled rocket into space
- Implementing TCP communication measures with C++ socket programming to allow for communication between onboard sensors and multiple concurrent users