

# Jinwoo Park

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## 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, Google Colab, Microsoft Office Suite

**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 – December 2021

*Tutor*

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

## PROJECTS

**Portfolio Website, Irvine, CA**

August 2019 – Present

- Developing and maintaining a portfolio website built in React and deployed using Heroku to demonstrate personal projects
- Built an interactive tic tac toe minigame with an AI opponent within the browser

**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, a hackathon with over 650 participants

**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*

- Leading 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 Off Road, Atlanta, GA**

August 2021 – Present

*Data Acquisition Team*

- Building the sensor board and data visualization tools for a student-built competitive off-road vehicle
- Refactoring the code base for the data acquisition Windows application to add support for MacOS and Linux platforms