

Jinwoo Park

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EDUCATION

Georgia Institute of Technology, Atlanta, GA

August 2019 – December 2022

- Bachelor of Science in Computer Science
- GPA: 4.0

SKILLS

Programming: Java, C, JavaScript, node.js, React, Apache Spark, SQL, MongoDB, HTML, CSS, Python, OpenCV

Software: Git, AWS, Alexa Developer Console, Google Colab, Microsoft Office Suite

Languages: *Fluent:* English, Korean

EXPERIENCE

Amazon.com, Seattle, WA

May 2022 – August 2022

AWS Software Development Engineer Intern

- Developed a cloud-based Java application to providing cost-saving recommendations to AWS S3 customers, optimizing cloud data storage in the magnitude of exabytes
- Utilized distributed computing techniques with Apache Spark to perform simultaneous big data computations on metadata for tens of millions of S3 bucket records
- Modernized current applications by identifying uses of inefficient and outdated code bases and communicating these oversights to the team
- Worked with a team of seven in a fast-paced, Scrum environment and produced industry standard code and design documents

GT Intelligent Tutoring Systems, Atlanta, GA

January 2021 – May 2022

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 AI chatbot running on a cloud Flask server that provides answers to student questions on class topics
- Coded the frontend for a dynamic code editor that implements TDD and HCI concepts to produce more understandable error messages for beginner programmers
- Optimized error response rates by 500 milliseconds to produce intelligent and instantaneous code feedback to students

PROJECTS

Step Dance, Atlanta, GA

February 2022

- Built an OpenCV and MediaPipe-based application that allows users to play an electric piano using touchless gesture controls
- Won 1st place at HackGT Horizons 2022

Zen, Atlanta, GA

October 2021

- Utilized OpenCV to develop a custom pathing algorithm that allows a magnetic ball to autonomously trace an image in sand
- Won "Best Hardware Hack" at HackGT 8, a hackathon with over 650 participants

March On Website, Atlanta, GA

February 2021 – May 2022

- Directed a team of students to construct a website focused on assisting college students with anonymously organizing and finding local protests
- Served as a full stack developer and utilized the MERN stack to develop a web app backed with a non-relational database

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 2nd place at HackGT Horizons 2020 for an instrument that uses recycled bottles to automatically play music

ACTIVITIES

GT Web Dev Club, Atlanta, GA

August 2021 – Present

Vice President/Project Manager

- Led tutorials and student projects to offer technical expertise on web development tools and techniques
- Initiated sponsorships and outreach programs, doubling the club member count from previous years
- Developed a python-based automated operations pipeline to speed up team admission and assignment by hours