ROBIN HWANG

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Introduction

I am a passionate and experienced undergraduate student majoring in computer science. I have knowledge in a variety of programming languages and am currently looking to apply my schools through a position at a company.

Skills

Programming Languages: Java, Python, C++, HTML, CSS, JavaScript, R
Frameworks and Software Tools: Git, pandas, Flask, Figma, Netlify, Firebase, numPy
Office Tools: Microsoft Word, Microsoft Excel, Microsoft PowerPoint, Microsoft Publisher, Google Suite
Languages Spoken: English and Korean (native), Spanish (proficient)

Projects and Relevant Experience

President of Computer Science Club   Sep. 2021 – May 2022
- As president, led club by running meetings, introducing concepts in Computer Science, and preparing code stubs for club activities
- Taught binary, cryptography (Hill Cipher, Atbash Cipher, Vigenère Cipher, etc.), HTML, CSS, JavaScript, discrete mathematics, bot programming in Python, etc.
- Ran "unplugged" meetings which introduced Computer Science concepts without the use of computers

Lyricle   Feb. 2022
- Created an online game in JavaScript where users have six tries to figure out the name of a song based on its lyrics
- Launched application on Netlify to allow users anywhere in the world to play

Room Reservation System   Jun. 2021 – Jan. 2022
- Developed a room reservation system in Java for faculty to reserve computer labs and multipurpose classrooms
- Implemented sorting and search algorithms (binary search) to allow admins to search for registered faculty members
- Designed a GUI for easy use by school faculty using Swing and AWT
- Installed application on the district's LAN (local area network) to prevent access to users outside of the district

COVInsight (Research Project)   Sep. 2020
- Using phylogenetic data from Nextstrain, created database of every SARS-CoV-2 variant (over 5000) using Python
- Designed front end in Swing and AWT in Java
- Utilized pandas library in Python to perform analyses/read TSV files of variant data

Discord Bot   Mar. 2020 – Jun. 2020
- Used Python to develop a bot for the messaging application Discord that automatically replies to certain trigger words sent in the chat
- Hosted bot to keep running even when IDE is closed using the Flask web framework
- Created tutorials on how to make Discord bots through a series of videos on YouTube channel

Education

University of Michigan   Aug. 2022 – Apr. 2026
B.S. in Computer Science   *Ann Arbor, MI*
Notable Coursework/Awards: Elementary Programming Concepts, Programming and   GPA: 4.0/4.0
Data Structures, Discrete Mathematics, University Honors

Commack High School   Sep. 2018 – Jun. 2022
International Baccalaureate Diploma   *Commack, NY*
Awards: Best Student in Computer Science, Congressional App Challenge Runner-Up   GPA: 4.1/4.0