

Hyeokjin Jin

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EDUCATION

Georgia Institute of Technology

Bachelor of Science in Computer Science

GPA: 3.84/4.00

Aug. 2023 – May 2026

Atlanta, GA

Auburn University

Bachelor of Science in Computer Science

GPA: 4.00/4.00

Aug. 2022 – May 2023

Auburn, AL

TECHNICAL EXPERIENCE

Undergraduate Research Assistant

VIP Georgia Institute of Technology

Aug. 2023 – Present

Atlanta, GA

- Deployed updated code to microcontrollers for GPS and LiDAR modules in an autonomous vehicle using ROS
- Created udev rules to resolve randomized port paths on microcontroller boot-up for stable hardware connectivity
- Configured network access for vehicle's computer to enable SSH connections for streamlined remote management

PROJECTS

Word Finder | *Java, Python, pynput*

May 2024

- Developed a program to solve puzzles from the iOS iMessage game "Word Hunt" utilizing Java and Python
- Optimized performance by recursively generating all letter permutations with a depth-first search algorithm and implementing a trie data structure, reducing output time by 97%
- Utilized Python libraries for seamless data transfer between Java and Python and for mouse input control, enhancing automation and user interaction

Better Spotify Wrapped | *Java, Android Studio, SQL, Spotify API*

Apr. 2024

- Designed and developed a feature-rich Android app that enhances Spotify Wrapped, offering customizable options for sharing saved Wrapped summaries and analyzing music data across various date ranges
- Integrated user authentication, friend lists, and user requests with SQL, enabling seamless data synchronization
- Leveraged the Spotify API to retrieve and decode user data, optimizing data handling for real-time analysis
- Delivered a user-friendly interface that improves user engagement and offers unique insights into both personal and friends' music consumption patterns

Gopü | *Java, Android Studio, SQL, Maps SDK*

Feb. 2024

- Designed and developed an innovative Android application for a hackathon, enabling users to locate nearby restrooms with customizable filters and a rating and review system for improved search accuracy and user feedback
- Extracted and managed public restroom data from 80,000+ locations using SQL, optimizing query efficiency
- Integrated Maps SDK to display interactive maps and provide direct links to Google Maps for instant navigation

WORK EXPERIENCE

ACT/SAT Math Teacher

Han Academy

May 2024 – Jul. 2024

Montgomery, AL

- Dedicated over 300 hours of 1v1 tutoring, specializing in test-taking strategies across different ACT/SAT sections
- Guided 20+ students achieve an average score improvement of 4-6 points on ACT and 150-200 points on SAT
- Helped 80% of students achieve target scores, resulting in higher acceptance rates at top-tier universities

Hardware Manager (Part Time)

Hyundai Mobis Alabama

Jul. 2022 – Aug. 2022

Montgomery, AL

- Updated infotainment system software for 500+ new Hyundai vehicles; identified and addressed existing bugs; and resolved system errors resulting in enhanced, reliable functionality with improved user experience for the interface

TECHNICAL SKILLS

Concepts: Data Structures, Algorithms, System Design, Object-Oriented Programming, Problem Solving

Languages/Database: Java, Python, C, Assembly, SQL, HTML/CSS

Developer Tools: Git, Docker, VS Code, Android Studio, PyCharm, IntelliJ

Libraries/Frameworks: JUnit, React