Hyeokjin Jin

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Education

Georgia Institute of Technology   Atlanta, GA
Bachelor of Science in Computer Science   *Aug. 2023 - May 2026 (Expected)*
GPA: 3.69/4.0

Auburn University   Auburn, AL
Bachelor of Science in Computer Science   *Aug. 2022 - May 2023*
GPA: 4.0/4.0

Projects

Automotive LIDAR Vertically Integrated Project (VIP)   *Aug. 2023 - Current*
- Enhanced Raspberry Pi micro-controller functionality utilizing Python, enabling seamless connectivity and optimized communication between ROS (Robot Operating System) and the GPS/LiDAR modules.
- Utilized Docker to deploy standardized Linux-based containers, ensuring a synchronized environment for code execution between the micro-controllers and individual workstations.

Game Pigeon Helper   *Aug. 2023*
- Developed a Python program which solves the Anagrams and Word Hunt games found on the iOS game "Game Pigeon"
- Optimized code that recursively finds all letter permutations for the given Word Hunt board
- Utilized depth first search algorithm and a trie data structure to drastically improve output time from thirty seconds to less than one second

Terminal Minesweeper   *July 2023*
- Created a Python program that emulates a playable Minesweeper game on the command line interface
- Incorporated core object oriented programming principles, design patterns, and data structures

Work Experience

HYUNDAI MOBIS ALABAMA | *Hardware Manager (Part Time)*   July 2022 - Aug. 2022
- Updated infotainment system software for new Hyundai vehicles
- Identified bugs and fixed errors found in infotainment systems

KIA MOTORS MANUFACTURING | *Hardware Manager (Part Time)*   June 2021 - July 2021
- Updated and troubleshooted audio programs implemented into the KIA vehicles' user interface
- Debugged and managed system updates for KIA Telluride models

Technical Skills

Programming Languages: Java, Python, HTML/CSS
Soft Skills: Communication, Team Building, Adaptability
Developer Tools: Git, Visual Studio Code, PyCharm, IntelliJ, Docker, Figma, ROS