

JAMES PARTIN

I'M AN ASPIRING SOFTWARE ENGINEER STUDYING COMPUTER SCIENCE AT MICHIGAN STATE UNIVERSITY. I'M VERY PASSIONATE ABOUT SOFTWARE DEVELOPMENT AND ARCHITECTURE. I WILL GO THE EXTRA MILE TO SOLVE DIFFICULT CHALLENGES.

PERSONAL INFORMATION

Phone

734-846-9736

Email

jamesaustinpartin@gmail.com

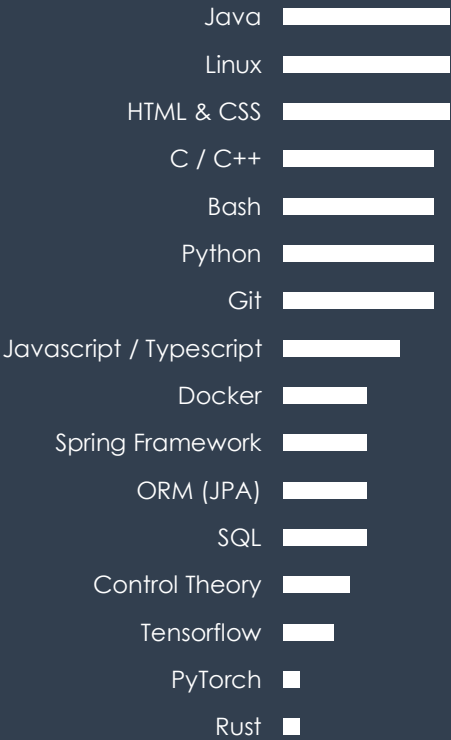
LinkedIn

james-partin-62015723a

GitHub

RandomPerson495721

SKILLS



EDUCATION

| | |
|------------------------|---|
| August 2023 – Present | Michigan State University <ul style="list-style-type: none">GPA: 3.95 / 4.0Coursework: Data Structures and Algorithms, Object Oriented Programming in C++, Introduction to Programming 2 (C++), Multi-variable Calculus, Object Oriented Programming (software engineering course) |
| August 2022 – May 2023 | Schoolcraft College/Oakland Community College |
| Sept 2018 – June 2022 | South Lyon East High School |

WORK HISTORY

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|-------------------|---|
| 07/2024 – 08/2024 | KOC Aide, Schoolcraft College (Livonia, MI) <ul style="list-style-type: none">Assisted students with Java-based Minecraft mod creation and robot programming/design |
| 05/2022 – 07/2023 | Lead Programming Mentor, FRC Team 3641 <ul style="list-style-type: none">Architected vision-based system to localize field position of robot for autonomous navigationTrained students in Java programmingAdvanced to World Championships |
| 11/2021 – 05/2022 | Lead Programmer, FRC Robotics Team 3641 <ul style="list-style-type: none">Implemented GitHub pull request-based system for team contributionsCoordinated work with Build and Mechanical teamsLead build of autonomous subsystemAdvanced to World Championships |
| 07/2021 | Inspirit AI Camp <ul style="list-style-type: none">Trained an Artificial Intelligence (AI) Model to classify human emotions |

PROJECTS (PERSONAL AND SCHOOL)

- Media encoding server utilizing Java Spring/Spring Boot and FFMPEG components
- Garage door opener system on Raspberry PI using JavaScript and a NodeJS based web server/API
- Python + OpenCV-based system to localize robot field position using camera-based April Tag detection and encoder sensor fusion
- Various TypeScript/JavaScript and Python programs
- Implemented A* search algorithm in data structures and algorithms class.