

James Harrell

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EDUCATION

Purdue University, Class of 2025 BS in Computer Science, Machine Intelligence Concentration Minor in Management, Minor in Mathematics GPA: 3.19	Aug 2021 – Present
Tampa Preparatory High School GPA: 4.22 SAT: 1460/1600 Math: 760/800	Aug 2017 – May 2021

SKILLS

Programming Skills: Kotlin, Java, C, Git, Docker, MySQL, Linux, LaTeX, Server Administration, Jenkins
Soft Skills: Initiative, Perseverance, Leadership, Communication, Organization, Teamwork
Relevant Coursework: Data Structures & Algorithms, Computer Architecture, C Programming, Problem Solving & Object-Oriented Programming, Data Mining & Machine Learning

EXPERIENCE

Software Development Intern, Raymond James <ul style="list-style-type: none">Key Contributor to the AMS Billing Website, using Java and Spring BootDelivered many impactful features through the development lifecycle to production	Summer 2023
Freelance Software Developer <ul style="list-style-type: none">Developed a Discord Bot for my Fraternity utilizing the Discord REST API through KotlinDeveloped information flow enhancements, a polling system, and announcement system	Summer 2022
Software Developer, Vertmix Inc. <ul style="list-style-type: none">Used Kotlin, Git, Docker and other tools to setup Minecraft Servers and PluginsAgile Development and deadline focused projects	Summer 2021
Freelance Software Developer <ul style="list-style-type: none">Developed a Discord Bot for a server of 120k members using Java and the Discord APICommunicated with the client frequently by giving status updates	Mar 2021
Cashier, Publix Supermarkets <ul style="list-style-type: none">Worked with other employees to ensure an excellent shopping experience	Jun 2019 – Nov 2020
Freelance Software Developer <ul style="list-style-type: none">Managed a Linux server, a MySQL database, and wrote Minecraft plugins in Java	Sep 2019 – July 2020

PROJECTS

Implementing Malloc <ul style="list-style-type: none">Managed the efficient and optimized allocation and deallocation of memory from the heapUsed bitwise operations to minimize size of memory footprint	Spring 2023
Airline Network Project <ul style="list-style-type: none">Designed regional airport network via Kruskal's algorithm, optimizing routes within budgetUnified regional networks into a global system using Dijkstra's algorithm	Fall 2022
Sword-Fighting Game Simulation <ul style="list-style-type: none">Implemented a Queue to handle and simulate sword cleaning requestsImplemented a Stack for simulating sword requests from storage	Fall 2022
My CS Plan – Hackathon Project <ul style="list-style-type: none">Collaborated with a 5-member team, developing a Next.js frontend to showcase optimal completion paths for multiple Computer Science concentrationsIntegrated and presented analyzed data from the Python backend using a REST API	Nov 2021

ADDITIONAL INFORMATION

- Achievements:** Eagle Scout
- Interests:** Hiking, Biking, Camping, Backpacking, Fishing, Golf
- Community Service:** Southeastern Guide Dog Puppy Raiser, Feeding Tampa Bay Volunteer
- Team Sports:** Travel Baseball, High School Soccer
- Clubs / Societies:** Beta Sigma Psi Fraternity (4 Semesters on Executive Board)