

Carson Stept

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[GitHub](#) | [LinkedIn](#)

SKILLS

- **Languages:** Proficient in **Java, SQL** | Familiar with **Python, C, JavaScript, Assembly, Kotlin, HTML & CSS**
- **Tools:** Git, GitHub, Linux, PowerBI, Power Automate, Cognex Vision Tools, FactoryTalk, Selenium Web Driver, Gradle, Maven, CVAT, VSCode, Android Studio
- **Relevant Coursework:** *Object-Oriented Programming, Data Structures & Algorithms, Systems Programming, Computer Organization & Architecture, Computer Networks, Databases, Software Engineering, Artificial Intelligence, Operating Systems, Computer Vision*

WORK EXPERIENCE

Advanced Engineering Co-op, Johnson & Johnson; Jacksonville, FL

June 2024 – December 2024

- Developed and implemented JPEG image compression pipeline in Java resulting in 2 white papers with compression recommendations, increasing storage capabilities by 95% for 5.5 billion images
- Automated manufacturing downtime analysis by processing and consolidating Excel KPI datasets using Java, Maven, and Selenium WebDriver, streamlining report generation and achieving a 90% efficiency improvement
- Supervised a CVAT annotation team creating a 10,000-image library for industrial defect detection, automating data retrieval and validation through Power Automate to process JSON data, transfer to SharePoint, and integrate with Power BI

IT Intern, Ryder Systems, Inc; Remote, Miami, FL

June 2023 - August 2023

- Optimized employee reference guides, improving accessibility for 48,000 employees and reducing costs by \$360,000

PROJECTS

- Computer Vision Sign Language Learning Tool | *In Progress* | Python, OpenCV, MediaPipe
 - Developing an application using computer vision and hand landmark detection to teach users American Sign Language (ASL)
 - Implemented real-time hand gesture recognition using MediaPipe and custom geometric algorithms to detect individual signs
 - Designing a guided learning mode with progressive feedback, visual hand sign references, and detection validation.
- Personal Finance Dashboard Web App | *In Progress* | React, JavaScript, HTML/CSS, Supabase, Plaid API
 - Designing a customizable finance dashboard to visualize and track personal finance data in real-time
 - Developing interactive UI prototype with modular widgets and dynamic grid layout
 - Researching secure financial data aggregation, focused on user-centric design, flexibility and future scalability
- SmartWay Routing Application | Kotlin, Gradle
 - Android routing application that calculates the most efficient route from start to finish
- Portfolio website ([carsonsteptech](https://carsonsteptech.com)) | HTML, CSS, JavaScript
 - Personal portfolio to showcase skills and projects, with responsive and interactive user experience.

EDUCATION

University of North Florida, Jacksonville, FL - Spring 2025

BS Computer Science

Honors: Upsilon Pi Epsilon, Sigma Chi Fraternity (Public Relations Chair), Order of Omega