

# Aaron Green

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## EDUCATION

### Master of Science in Artificial intelligence

(Expected May 2027)

Florida Atlantic University - Boca Raton, FL

### Bachelor of Science in Computer Science

Florida Atlantic University - Boca Raton, FL

## SKILLS

**Machine Learning/AI:** PyTorch, PyCharm, NLP, LLM, prompt engineering, Neural Networks (RNN, CNN), Pandas

**Programming:** Python, C++, JavaScript, HTML/CSS, SQL, Node.js, React.js

**Automation/Testing:** Selenium, Pytest, Python Scripts, Version Control (Git/GitHub), Agile, CI/CD

**QA Tools:** Postman, Hoppscotch, TestRail, Jira, Jenkins, Docker, AWS, Google Cloud Platform

## EXPERIENCE

### Ford Motor Company

Sunrise, FL

Software Test Engineer

Jul 2025 – Current

- ✎ Validate the Ford SYNC infotainment/console (HMI) across trims and software builds-navigation, media, voice, phone, and climate features.
- Create test plans, traceability matrices, and coverage reports; triage in Jira, collaborate with dev/UX to validate fixes and close issues, and track test cases in Test rail.
- Integrate tests into CI/CD (e.g., GitHub Actions/Jenkins) with Docker; run nightly smoke/regression packs to gate releases and OTA updates.
- Perform in-vehicle and HIL bench testing; capture and analyze logs (CAN/UDS), isolate defects, and provide reproducible repro steps.

### SHL Medical

Boca Raton, FL

Software Engineer Intern

June 2025 – July 2025

- Designed a responsive component library using **React + Tailwind**, enabling scalable design patterns across multiple teams. Integrated with **Azure AD B2C** for secure authentication; implemented **CSP policies** to prevent XSS attacks
- Built out **CI/CD pipelines** using GitHub Actions, improving release cycles and automated testing
- Deployed front-end assets to **Google Cloud Run**, applying SSR principles for better performance

### Apple

Boca Raton, FL

Technical Expert

Sep 2024 – Aug 2025

- ✎ Utilized Apple Service Toolkit and Apple Configurator to diagnose and resolve 95%+ of hardware/software issues across iOS/macOS devices.
- ✎ Managed repair workflows with MDM and diagnostic logs, achieving 90%+ on-time service completion.

### Ask4 Realty Inc.

Boca Raton, FL

Software Development Intern

Feb 2024 – May 2024

- Updated and optimized 7+ websites for cross-browser compatibility using **responsive design standards**
- Implemented unit testing and simulations for legacy **C++/PHP** components; contributed to accessibility improvements

## PROJECTS

### Shop Hero – AI-Powered E-commerce Engine

- Designed and developed a full-stack e-commerce platform with personalized product recommendations using NLP models (T5/BERT) to enhance user engagement and conversions
- Developed a **cloud-native frontend** using React and **serverless architecture** on AWS/GCP

### Study Buddy-AI

- Designed and developed a full-stack AI-powered study platform using Python (FastAPI) and React, allowing users to upload notes and receive personalized quizzes and flashcards based on weak concepts
- Engineered a dashboard using React to visualize progress by topic, integrating data from an SQLite database via clean, testable backend endpoints
- **Containerized the application with Docker** for easy deployment to cloud-based environments; ensured smooth integration across backend, frontend, and AI models

## ACTIVITIES AND LEADERSHIP

**Marketing Director** - National Society of Black Engineers

**President** - Omicron Gamma Chapter of Kappa Alpha Psi