

# ELIJAH CAMPBELL-IHIM

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## SUMMARY

Computer Science graduate (Magna Cum Laude, 3.8 GPA) and full-stack developer with project experience building web applications, AI tools, and cloud deployments. Strong background in Python, TypeScript, React, and FastAPI, combined with hands-on professional experience teaching technical concepts and leading organizational initiatives. Seeking an entry-level technology rotational program.

## SKILLS

**Languages:** Python, TypeScript, JavaScript, Java, C++, C#, SQL, HTML/CSS

**Web & Frameworks:** React, Next.js, React Native, FastAPI, Node.js, Tailwind CSS, REST APIs

**Cloud & Tools:** AWS (ECS), Docker, Vercel, Git/GitHub, CI/CD (GitHub Actions), PostgreSQL, Supabase, Firebase

**AI & Machine Learning:** PyTorch, TensorFlow, LangChain, RAG, Scikit-Learn, Pandas, NumPy, Matplotlib, Seaborn

## PROJECTS

**Resume Assistant** – [GitHub](#) | [Live Site](#)

Jun 2025 – Present

⇒ *Tech Stack:* React, TypeScript, Python, LangChain, Supabase, FastAPI, Docker, AWS ECS

- Developed a resume analysis web app to provide nuanced feedback and job-specific recommendations with GPT-4o.
- Deployed containerized FastAPI backend on AWS ECS with automated CI/CD via Vercel and GitHub Actions.

**AI Tutor Web Application** – [GitHub](#) (Senior Capstone Project)

Feb 2025 – May 2025

⇒ *Tech Stack:* React, Next.js, Tailwind CSS, Python, LangChain, Supabase, FastAPI

- Developed an LLM-powered online learning platform to provide personalized tutoring on any academic subject.
- Implemented adaptive lessons and self-grading quizzes using RAG, prompt engineering, and agentic systems.
- Deployed frontend to Vercel and backend to Render using FastAPI, a REST API architecture, and automated CI/CD.

## EDUCATION

**Ramapo College of New Jersey** | Mahwah, NJ

Aug 2021 – Jun 2025

Bachelor's degree, Computer Science | **GPA:** 3.8

**Academic Honors & Awards:** Full-Tuition Presidential Scholarship, Magna Cum Laude, High School Salutatorian

**Relevant Courses:** Database Design, Data Structures, Analysis of Algorithms, Machine Learning, Software Design, Web Application Development, Mobile Development, Cyber Security, Organization of Programming Languages

## CERTIFICATIONS

**AI Engineering Professional Certificate** – IBM | [Certificate Link](#)

Nov 2024 – Jan 2025

*Topics:* TensorFlow, Keras, PyTorch, NLP, Transformers, Fine-Tuning, RAG, LLMs, LangChain

**Machine Learning Specialization** – Stanford University & DeepLearning.AI | [Certificate Link](#)

Jun 2023 – Aug 2023

*Topics:* Supervised Learning, Unsupervised Learning, Neural Networks, Reinforcement Learning

## WORK EXPERIENCE

**Lead Lesson Planner & Computer Science Teacher**

**North Star Academy Washington Park High School** | Newark, NJ

Oct 2025 – Present

- Taught 200+ high school students foundational programming concepts in Python, JavaScript, HTML, and CSS.
- Developed year-round curriculum for “Programming in Python” and “Principles of Computer Science” courses.
- Launched a new “Machine Learning & AI” course covering fundamentals of Data Science, ML, and Generative AI.
- Presented student progress and curriculum data to school administration during regular review meetings.

**Head Counselor**

**Boys and Girls Club of America** | Hawthorne, NJ

Jul 2023 – Jun 2025

- Directed daily programs and activities for groups of 20+ children, fostering a safe, engaging, and positive environment.
- Supervised and supported assistant and junior counselors, ensuring compliance with safety and behavioral protocols.

**Lead Coding Instructor**

**Code Ninjas** | Midland Park, NJ

Jun 2021 – Jul 2024

- Instructed 100+ children ages 7-14 how to code in JavaScript using the Code Ninjas digital curriculum.
- Organized, designed, and directed 10+ STEM-related summer camps as the 2022 Lead Summer Camp Director.