

Elijah Tucker

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Technical Skills

- **Programming:** Python, Java, C++, JavaScript
- **Tools & Design:** MySQL, Unity, GitHub, Streamlit, Supabase, Cursor, Adobe Suite (Illustrator, Photoshop, Premier), Networking, Troubleshooting, Hardware and Configuration (Comp Tia A+ Training Modules)

Education

North Carolina A&T State University

B.S. in Computer Science - Pursuing Master's Degree

Greensboro, NC

August 2023 – June 2027

- **Relevant Coursework:** Intro to Python, Introduction to Java, Discrete Structures, Data Structures, Algorithms and Statistics
- **Activities:** Association for Computing Machinery (ACM) Member, Jazz Ensemble Pianist, Hackathon Participant

Experience

Environmental Protection Agency (EPA)

Durham, NC

Intern

March 2023

- Assisted in data collection, analysis, and visualization to support environmental research and policy development.
- Organized and communicated environmental data between 11 team members using Pandas, increasing productivity by 9%.
- Conducted literature reviews on environmental regulations, sustainability practices, and compliance standards.
- Supported program management and administrative tasks, including preparing reports, presentations, and briefing materials.

Projects & Volunteering

African American History Website

Chapel Hill, NC

Python, Streamlit

February 2025

- Built an interactive multi-screen website to highlight underrepresented Black historical figures and narratives.
- Designed UI/UX assets using Adobe Illustrator and integrated them with Streamlit components.
- Delivered a project pitch to UNC sponsors and judges during a 5-hour hackathon.

Relic of Thragg — 3D Open-World Game

Unity, Java, Adobe Illustrator, GitHub

March 2025 – April 2025

- Developed player movement, collision systems, and interactive world mechanics using Unity and Java.
- Created custom textures, UI elements, and in-game assets using Adobe Illustrator.
- Collaborated through GitHub version control and managed the project workflow as a team.

AI Medical Translator Web App — Medtronic Hackathon Project

Greensboro, NC

Supabase, JavaScript, Cursor, OpenAI API, Adobe Illustrator, GitHub

November 2025

- Developed a full-stack multilingual medical-support web application to simplify complex cardiac device reports for patients.
- Implemented secure Supabase authentication with email/password login and temporary encrypted data storage.
- Built an AI-powered chatbot using the OpenAI API to explain medical terminology, summarize reports, and provide accessible guidance.
- Designed an accessible interface and created UI assets using Adobe Illustrator; implemented a medical knowledge quiz system to reinforce patient understanding.
- Deployed a live demo link for judges and coordinated development through GitHub in a collaborative team workflow.