

# ISAIAH GHANSAM

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## EDUCATION

### University Of Maryland Baltimore County

Bachelor of Science in Computer Science

Aug 2022 – May 2026

Baltimore, MD

## RELEVANT COURSEWORK

- Data Structures and Algorithms
- OS
- Intermediate Programming
- OOP
- Software Engineering
- Databases

## TECHNICAL SKILLS

**Languages:** Python, C, C++, TypeScript, HTML, CSS, SQL

**Frameworks/Libraries:** React, Next.js, Tailwind CSS

**Tools & Platforms:** Linux, Visual Studio Code, PuTTY, GitHub, Docker, Wireshark, Splunk, Jira

## EXPERIENCE

### Freelance Software Developer

Jan 2026 – Present

NorthBound

Remote

- Design advisor for software edits and facilitated implementation.
- Built polaris, assignment, login, and database components for tutoring portal, adjusted to fit owner's needs
- Made updates in a React + TypeScript + Tailwind setup and kept the code simple for the team to maintain.
- Met weekly with the stakeholder to review issues, confirm changes, and plan the next set of updates.

### UI Designer and System Architect

Aug 2025 – Dec 2025

Retriever Proposal Portal

Baltimore, MD

- Built the main frontend experience for a portal connecting UMBC students with stakeholder-led project opportunities.
- Connected screens to backend APIs and added loading and error states for a smooth experience.
- Created reusable UI components and responsive layouts using React, Next.js, TypeScript, and Tailwind CSS.
- Created MVP write-up with scope, user stories, and a basic feature roadmap.
- Attended weekly in-person retrospective meetings and upheld communications with stakeholder through Microsoft Teams.

### Engineering and Operations Intern

Sep 2024 – Oct 2025

UMBC Observatory

Baltimore, MD

- Operated a DFM telescope through data and control computers.
- Used Stellarium to explore and analyze celestial objects and better visualize the night sky.
- Helped troubleshoot equipment connectivity issues to improve operational efficiency.
- Collaborated in staff meetings to plan and execute work supporting both operations and software development.

## PROJECTS

### Portfolio Website | Next.js, React, TypeScript, Tailwind CSS

Jan 2026

- Built a personal portfolio site to showcase experience, projects, certifications, and extracurriculars.
- Created responsive layouts for phone, laptop, and large monitors using Tailwind and reusable components.
- Used a consistent design system with icons and modern styling to highlight technical skills and tools.
- URL: <https://isaiahig.com/>

### Airline Manager Console Simulation | C++ | Visual Studio Code, PuTTY

Mar 2024

- Developed an airline management console application for students to create routes and calculate distances.
- Applied object-oriented programming concepts to manage airline and route data through class structures.
- Implemented dynamic arrays and linked lists for data storage and route manipulation.

## CERTIFICATIONS

### Intro to Cybersecurity

Spring 2025

Certificate – Wireshark packet analysis; Linux fundamentals and hardening; web/app security; threat modeling

CodePath

### Intermediate Cybersecurity

Summer 2025

Certificate – Splunk queries and dashboards; IOC correlation and threat hunting; IR playbooks; log analysis

CodePath