

Hasan Maharooof

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CAREER OBJECTIVE

CS sophomore at UMBC. Built and maintain GeoArchive (geoarchive.org) — a production full-stack web app. Seeking Summer 2026 SWE internship. US citizen, open to relocate.

EDUCATION

University of Maryland, Baltimore County | *BS, Computer Science*

2024 – 2028

SKILLS

- **Full-stack development:** JavaScript (Node.js, Express.js), HTML/CSS, PostgreSQL, RESTful API Design & Development, Linux VPS, nginx, PM2
- **Systems & tools:** Python, Git, Unix/Linux, automated testing, version control workflows
- **From university coursework:** C++ (OOP, templates, pointers, memory management), Object-oriented design, Data structures

WORK EXPERIENCE

GeoArchive | *Founder, Full-Stack Developer*

2024 – Present

- Founded GeoArchive, a web application enabling crowdsourced geolocation and archiving of historical media
- Built Node.js/Express REST API with complex SQL queries on a PostgreSQL database serving 100+ approved submissions
- Implemented Firebase authentication with role-based admin controls and integrated Leaflet.js mapping with custom marker clustering
- Deployed on Linux VPS with nginx reverse proxy, PM2 process management, and Git-based CI/CD for zero-downtime updates

Space Telescope Science Institute | *Research Intern*

Jul – Aug 2023

- Used Python-based astronomical tools (Jdaviz, Imviz) to access and visualize FITS-format spectroscopy data from the Mikulski Archive for Space Telescopes
- Built and deployed an educational data visualization website in HTML/CSS; project featured by STScI as program highlight
- Selected as part of a competitive cohort of 12 Baltimore-area students for the institute's summer program

Software, Magic & Rainbows | *Software Development Intern*

Jun – Jul 2023

- Collaborated with a team of 15+ engineers at a custom software development firm to build and ship a production application in Godot 4, contributing features within a structured codebase using the GDScript programming language
- Practiced Git-based version control and coordinated development across remote teams via bi-weekly progress meetings

PROJECTS

dmvdocs | *Founder*

2025 – Present

- Built and maintain longform journalism platform documenting immigrant communities in the DMV region
- Developed website featuring photography, interviews, and historical preservation content

CERTIFICATES

- Intro to C (Johns Hopkins STEM Academy, 2020)
- Python 1 (Johns Hopkins STEM Academy, 2020)
- Python 2 (Johns Hopkins STEM Academy, 2021)
- Cybersecurity (Johns Hopkins STEM Academy, 2022)
- AP Scholar with Distinction (CollegeBoard, 2024)