

Ethan Bailey

Wichita Falls, Texas

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A devoted developer with 3 years of industry experience aimed to improve businesses through software products. Senior seeking internship or full-time role in software development, data science, or program management.

EDUCATION

Midwestern State University, Wichita Falls, TX

Bachelor of Science, Computer Science

Anticipated Graduation Date: May 2025

Relevant Coursework: Object-Oriented Programming, Discrete Structures & Analysis, Operating Systems, Programming Language Concepts: GO, Advanced Structures & Algorithms, Logic Design, Theory of Computation, Mobile App Development.

Current GPA: 4.0/4.0

T.A Marryshow Community College, St. George's, Grenada

Associate Degree in Information Technology, honors

Graduation Date: December 2021

Relevant Coursework: Java Programming, Web Design, Intro to Programming, Microcomputer Applications, Computer Graphics, Database Systems.

GPA: 3.95/4.0

PROFESSIONAL EXPERIENCE

Headstarter, Remote

Software Engineering Fellow

July 2024 – Present

- Built 5+ AI apps and API's using NextJS, OpenAI, Pinecone, Stripe API with 98% accuracy
- Developed projects from design to deployment using MVC design patterns
- Coached by Amazon, Bloomberg and Capital One engineers on Agile, CI/CD, Git and microservice patterns

Freelance Website Developer, Remote

August 2023 – Present

- Website development & maintenance for several corporations from various sectors(using HTML5, CSS3, JavaScript, WordPress, and website management platforms)
- Designed new user-friendly interfaces for the company website that increased traffic by 35%.
- Participated in regular meetings with company executives to generate and present new ideas for promoting business growth.

Midwestern State University, Wichita Falls, Texas

Tutor

August 2023 – May 2024

- Provide guidance and direction to tutees to help them become more independent learners.
- Provide subject-specific content help to students through either individual or small group assistance.
- Subjects tutored: Computer Science, English & Writing, Calculus, Economics.

Website Content Editor

Jan 2023 – August 2023

- Worked with the multimedia specialist and web specialist II to ensure the website updates made are correct and properly secure.
- Ensured all digital and web content on the MSU website is ADA compliant.
- Worked with photo editing software, such as Adobe Photoshop, to make images ready for use on the web.

Protonic Solutions, St. George's, Grenada

System Administrator

Aug 2021 - July 2022

- Website development & maintenance for small to middle-sized businesses and enterprises (using HTML, CSS, JavaScript, WordPress, and website management platforms)
- Provided documentation and technical specifications for planned and implemented I.T projects or solutions.
- Installed, configured, and maintained software and hardware components of computers and networking systems (including switches, patch panels, routers, and access points)

SKILLS

- Current GitHub: <https://github.com/EthanJBailey>
- Programming Languages (C, C++, Java, Python, R, Golang, JavaScript, React Native)
- Web Development (HTML5, CSS, Bootstrap CSS, JavaScript, WordPress, Cascade CMS, NativeWind, Tailwind CSS)
- Backend Software/Languages (JSON, MongoDB, NodeJS, SQL, MySQL)
- Version Control (Git, GitHub)
- Networking (Switches, Routers, VPNs, Subnetting, Network Setup, NAS Configuration)
- Logo & UX/UI Design (Figma, Adobe XD, Adobe Photoshop & Adobe Illustrator)

PROJECTS

Undergraduate Research (UGROW) on Quantum Computing & Quantum Programming	January 2024 – Present
Research Project on Controls Architecture for Autonomy-Ready Battery-Electric Vehicle	January 2024 – Present
Network Attached Storage Setup & Configuration	August 2021 – July 2022
Network Domain Setup using Synology Active Directory	August 2021 – July 2022
First Global Robotics Worldwide 2021 Competition (Team Grenada)	June 2021 – September 2021
Simulated Hospital Management System (Java)	December 2020
Zero21 Solitaire Game Replica (Java)	September 2020

ACTIVITIES/HONORS/AWARDS

Outstanding Junior Man of the Year 2024 for MSU	April 20, 2024
USITCC 2024 Nationals Award Winner for Application Development	April 4-6, 2024
USITCC 2024 Nationals Competitor for Database Design	April 4-6, 2024
Tau Sigma National Honor Society at MSU	January 2023 – Present
Association of IT Professionals (AITP) at MSU	January 2023 – Present
Orion A. Daniel Computer Science Scholarship at MSU	August 2023 – Present
Media Manager Officer for Association for Computing Machinery (ACM) at MSU	August 2023 – Present