

Joshua Pearlman

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EDUCATION

Michigan Technological University
BS, Computer Science, Minor in Cybersecurity

Aug 2022 - May 2025 (Expected)
Houghton, MI

WORK EXPERIENCE

Student Mac Support Technician

Sept 2023 - Present

Michigan Technological University

Houghton, MI

- Enhanced the efficiency and reliability of enterprise OS X systems by providing vital support for legacy infrastructures and spearheading the deployment of new computing solutions and software.

Front End Developer

Nov 2023 - Feb 2024

ENGAGEathon

Remote

- Actively developing and deploying a React Native app with integration of tools like Nativebase, Redux, and Expo.
- Collaboratively working within a focused development team, employing AGILE methodologies to achieve timely project completion.

RELEVANT COURSEWORK

- CS2321 Data Structures and Algorithms** - Demonstrated independent initiative in Data Structures by comprehensively exploring various data structures in Java; gained an in-depth understanding of their implementation and functionality.
- CS3411 Systems Programming**- A course in UNIX systems programming, focusing on the development of robust software with unrestricted system resource access and fundamental operating system interfaces..
- CS3421 Computer Organization** - Demonstrated comprehensive insight into the architecture and logical frameworks of computing systems, mastering key concepts such as combinational/sequential logic, arithmetic datapaths, and hard-wired control; Utilized C and Assembly for all in-class projects.
- Aerospace Enterprise** - Working on the Software Subteam to help develop, test, and deploy the software that will be used on two separate satellites being developed by the enterprise.

PROJECTS

Weather Service

joshpearlman.rocks/weather

- Leveraged open-meteo public API with Vanilla JavaScript, CSS, and HTML to deliver a high-performance, responsive weather platform.
- Employed AJAX design techniques for efficient API request handling and data parsing, enabling real-time updates without compromising user experience.
- Utilized CSS Media Queries to ensure a uniform user experience across diverse devices, elevating the platform's accessibility.

Personal Website

joshpearlman.rocks

- Designed a comprehensive personal webpage as a centralized showcase for my achievements, projects, and more.
- Employed ReactJS alongwith CSS to construct a robust and interactive web platform.
- Applied CSS Media Queries to create a seamless interface across various devices, thereby improving the multi-platform user experience.

TECHNICAL SKILLS

- Programming Languages:** Java, HTML, CSS, JavaScript, Python, C.
- Operating Systems:** Windows 10, MacOSX, Linux: Fedora, Ubuntu, Ubuntu Server, Debian Server, RHEL.
- Development Tools, Build Tools, And Libraries:** React Native, ReactJS, IntelliJ, Git, GitHub, npm, PlantUML.
- Currently Learning:** Assembly, MySQL, NodeJS, Sass.

SKILLS & INTERESTS

- Skills:** Data Structures and Algorithms, Operating Systems, AGILE Design, Hebrew Language fluency.
- Interests:** Programming, Rock Climbing, Snowboarding, Piano.