Joshua Pearlman

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EDUCATION

Michigan Technological University   **Aug 2022 - May, 2025 (Expected)**
BS, Computer Science, Minor in Cybersecurity   Houghton, MI

RELEVANT EXPERIENCE

Coursework
- **CS1142 Programming at the HW/SW Interface -** Developed proficiency in MIPS Assembly language and C; successfully applied programming skills to complete assigned projects.
- **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.
- **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.

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.
- **Development Tools, Build Tools, And Libraries:** ReactJS, VSCode, IntelliJ, Eclipse, Git, GitHub, npm, PlantUML.
- **Currently Learning:** Assembly, MySQL, NodeJS, Sass.

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.

Software Developer   **Nov 2023 - Present**
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.

SKILLS & INTERESTS

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