

Joshua Pearlman

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EDUCATION

Michigan Technological University
BS, Computer Science

Aug 2022 - May, 2025 (Expected)
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.

PROJECTS

Schnack.ai

joshpearlman.rocks/Schnack

- Engineered a forward-looking company webpage using HTML, CSS, and Vanilla JavaScript, serving as a cornerstone for an upcoming project.
- Implemented CSS Media Queries to achieve seamless cross-device compatibility, enhancing user experience across multiple platforms.

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 resume.
- Employed HTML, CSS, and Vanilla JavaScript to construct a robust and interactive web platform.
- Optimized design patterns, accessibility, and SEO to achieve a perfect score in Google Lighthouse analysis.
- 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 and Build Tools:** VSCode, IntelliJ, Eclipse, Git, GitHub, npm, PlantUML.
- **Currently Learning:** ReactJS, TailwindCSS, 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.

SKILLS & INTERESTS

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