

Rhys Brockenshire

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EDUCATION

Michigan Technological University | Houghton, MI
B.S. in Software Engineering | 3.35 GPA

Expected May 2026

PROFESSIONAL EXPERIENCE

URIP recipient, research assistant to Dr. Leo Ureel (Houghton, MI)

May 2023 – March 2024

Lead Developer for MotionEFFECT (Remote)

June 2023 – current

IT Operations Technician: Michigan Technological University

June 2024 – current

- Actively working with customers to resolve technical issues
- Reducing downtime of actively used technical equipment
- Linux, Windows, and Mac OS management and operation
- Management of company assets to ensure compliance

Project: Simulation Development for Educational Modeling software for K-12 Schools

Project: Ongoing Full Stack Development of movewithmotioneffect.com

- Used React JSX to develop a website for the health and fitness organization, MotionEFFECT
- Worked with company execs to establish connections between existing systems and new ones
- Designed and implemented functional scheduling service

TECHNICAL SKILLS

- | | | |
|--------------------|-----------|-------------------|
| ▪ Java | ▪ C++/C | ▪ SQL |
| ▪ Microsoft Office | ▪ Verilog | ▪ React JSX |
| ▪ PHP | ▪ Slack | ▪ .NET Frameworks |

PROJECT EXPERIENCE

Michigan Tech Human Interface Design Enterprise – team of 6 (Houghton, MI) Sep 2023 – May 2024

Project: Development of a large-scale Database for General Dynamics Land Systems Artificial Intelligence applications.

- Introductory development into Vector Databases
- Added functionality for Machine learning trainability in Database

Project: Development of personal portfolio website rhysdev.com using HTML and CSS.

- Personally and Locally hosted on self-managed Apache webserver using a Cloudflare domain and Nginx proxy manager.

LEADERSHIP & INVOLVEMENT

President, DHH Dormitory Hall

Treasurer, Dungeons and Dragons Club

CLASSES COMPLETED BY SUMMER 2024:

- Systems Programming | Computer Graphics | Model Driven Software Development
- Software Quality Assurance | Software Process Management | Concurrent Programming
- Database Systems | Computer Organization | Circuits 1 | Digital Logic and Lab

INTERESTS

Skiing | Mountain Biking | Reading | Hiking | Tabletop Games | Adventuring | Video Games