

# Joseph Halcombe

(703) 762-6811   josephhalcombe@mtu.edu

## Education

### Michigan Technological University

Bachelors of Science, Computer Science

Cumulative GPA, 3.07

*Expected Graduation, 12/2025*

### Lake Michigan Community College (2019 - 2021)

Associates in Applied Science, Application Development

Cumulative GPA, 3.8

*Graduated, 05/2021*

## Skills and Experience

- Experience working with **C, C++, C#, Java, Assembly/MIPS, SQL, and Python.**
- Experience with **CMAKE** working on a large-scale and multi language applications
- Research experience for the MTU College of Computing working with **Alloy**, a programming language built specifically for large scale modeling given constraints and temporal operators.
- Over two years website editing and publishing experience for the Michigan Technological University Website. Work Experience with **HTML** and **CSS**. I have developed entirely new pages from scratch.
- Worked with confidential/private information in the MTU Registrar's office. Specifically, FERPA federal privacy laws. Interacting with Federal entities and agents (DOD) as necessary to release requested information in a legal manner following FERPA federal laws.
- Head of Administration and Service Coordinator for Michigan's Delta Upsilon Chapter (Spring 25'). I've focused my efforts on creating channels of communication with community leaders here to expand volunteer opportunities and provide a greater positive impact.

## Certifications

- CompTia A+ certification (2019-2022)

## Work History

### Michigan Tech. College of Computing

Summer Youth Program Instructor

One of two instructors for How to Build a Computer, Advanced How to Build a Computer, and Cybersecurity classes for the 2025 SYP program teaching high school students.

*07/07/25-07/25/25*

[tavanwag@mtu.edu](mailto:tavanwag@mtu.edu)

### Thermoanalytics, Inc.

Software Development Intern

Working with a team of Developers to bugfix, test, and develop new software. I learned what it was like to work on a team of Software Engineers to solve our problems collaboratively at a Software-based company.

*04/26/2024-08/23/24*

(906) 482-9560

### Michigan Tech. College of Computing

Undergraduate Research Assistant

Working with Professor Charles Wallace to develop a scalable model for understanding record expungement of applicable marks for employment history in the State of Michigan.

*05/1/2024-Present*

[wallace@mtu.edu](mailto:wallace@mtu.edu)

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## Michigan Technological University, Registrar's Office & International Programs & Services

Student Office Assistant

*09/1/2022 - 1/07/23,09/1/2023-Present*

Greeting and interacting with people from a wide array of different cultures and places. I regularly handle personal and federally confidential information in accordance with federal FERPA policy.

(906) 487-2160,(906) 487-1885

## Lincoln Township Library

*12/23/18 - 8/13/21*

Page/Circulation Clerk

(269) 429-9575

Assisted Patrons with a wide array of IT issues, helping elderly Patrons to complete necessary DMV operations during the pandemic, and other general library functions.