

Logan Schwandner

schlogan@umich.edu • 616-816-9310 • 3347 Deer Haven Dr • github.com/The-Legacy

EDUCATION

University of Michigan

Bachelor of Science in Biomedical Engineering
GPA: 3.93/4.00

Ann Arbor, MI

May 2029

Grandville High School

Diploma, GPA: 4.00/4.00

Grandville, MI

May 2025

WORK EXPERIENCE

Westwood AI

Junior Python Developer
Business Process Owner

Grand Rapids, MI

May 2025 – June 2026

June 2026 - Present

- Designed and implemented the main user interface to optimize user flow and responsiveness
- Integrated AI models into Python scripts to automatically generate roof damage reports
- Developed a backend API for efficient database communication and data handling
- Managed tasks using Kanban and Scrum methodologies in Jira to streamline team productivity

RESEARCH EXPERIENCE

University of Michigan

Research Assistant

Ann Arbor, MI

September 2025– May 2026

- Led augmentation process of 3D heart vessel imaging for machine learning model
- Created augmentation pipeline for consecutive 3D layers
- Assisted in the creation of metric and measurement pipeline for 3D vasculature

PROJECT EXPERIENCE

University of Michigan

MedLaunch Product Development
MedLaunch Project Manager

Ann Arbor, MI

September 2025 – May 2026

May 2026 - Present

- Researched biocompatible 3D printing materials for safe medical device design
- Prototyped an adaptive mouth stick device to reduce dental wear in quadriplegic users

Michigan Autonomous Aerial Vehicles (MAAV)

January 2026 - Present

- Tested and implemented different drone software's to allow wireless connections.
- Developed embedded systems for drones under one pound for a national competition.

LEADERSHIP EXPERIENCE

Robodawgs

FRC Team 216 Lead

Grandville, MI

September 2021 – May 2025

- Mentored underclassmen in CAD design, control systems, and iterative design processes
- Led 12+ students in designing and fabricating competitive robots for FIRST Robotics challenges
- Oversaw a 3-month build schedule, coordinating mechanical, electrical, and programming teams

VEX Team 248D Lead

September 2021 – May 2025

- Guided team members in C++ and Python programming for autonomous control and strategy
- Designed and simulated small-scale robots using OnShape for digital validation
- Promoted inclusivity and collaboration, ensuring participation from all team members

SKILLS

Programming: Python, C++, JavaScript, HTML, CSS, SQL

Software & Tools: CAD (OnShape, SolidWorks), Jira, Confluence, Visual Studio Code, WSL

Operating Systems: Windows, Linux

Wet lab Experience: Micropipette, Hydrogel Synthesis, Spectrophotometry

ACTIVITIES

National Honor Society

September 2023 – May 2025

Biomedical Engineering Society

September 2025 – Present