

Joshua Whynot

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Education

Western Michigan University

September 2019 - December 2025

Pursuing Bachelor's of Science degree and studying Computer Science.

Capstone Project

AI-Assisted Autodesk Revit Plugin

- **Overview:** Developing an Autodesk Revit plugin that integrates a custom-trained GPT model to serve as a co-pilot, offering design suggestions and automated model generation.
- **Technologies:** Utilizes the Python Revit API for Revit automation and Dynamo scripts for parametric modeling. Trained custom AI model with training data to further increase accuracy.
- **Impact:** Streamlines architectural design workflows by providing real-time, AI-driven ideas and accelerating the iteration process.

Software Technology Proficiencies and Skills

Languages: JavaScript, Java, TypeScript, C, Zig, Python, R.

Web Technologies: HTML, CSS, SQL, MySQL, AWS.

Frameworks & Libraries: React, Ember.js, PyTest, Node.js, Discord.JS.

Tools: Git, Linux, OpenAI API.

Professional Experience

Skee's Tee's Embroidery and More - Technical Assistant

May 2019 – March 2020

- Assisted with product organization, customer service, and event coordination.
- Provided IT support and contributed to interior renovation projects.

Extracurricular and Volunteer Experience

Vice President of Competition at Club Esports at WMU

January 2021-June 2023

- Organized tryouts and formed collegiate esports teams.
- Resolved interpersonal conflicts and fostered a collaborative environment.
- Interviewed and hired coaching staff.
- Organized and managed club events and competitions.
- Provided technical support and managed servers.

Extra Life with Esports at WMU - Charity Events

April 2021 / 2022 / 2023

- Raised \$4500+ for Extra Life Children's Hospital Charity through a livestream event.