

Joshua Whynot

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Professional Experience

Flex Dental Solutions - Software Engineering Intern

March 2025 – December 2025

- Developed full stack web software in an AGILE software development cycle using TypeScript, Javascript, React and NodeJS.
- Created a full stack service to track configuration updates across thousands of dental offices, built with NestJS, React-Admin + Material UI, and AWS DynamoDB.
- Worked directly with product owners to deliver features on schedule, ensuring clean, secure, and production ready code.

Education

Western Michigan University

Graduated with a Bachelor's of Science degree studying Computer Science.

Capstone Project

AI-Assisted Autodesk Revit Plugin

- **Overview:** Architected and Built a full stack .NET and Node.js application that leverages Large Language Models to create a virtual assistant for Autodesk Revit.
- **Technologies:** Utilizes the Python Revit API for Revit automation and Dynamo scripts for parametric modeling. Optimized 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: TypeScript, Javascript, Python, C

Technologies: AWS Amplify, AWS DynamoDB, NodeJS, MySQL, GraphQL

Frameworks & Libraries: React, Nest, Ember, Material UI

Tools: AWS, Jira, Bitbucket, Localstack, Docker

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.

