William Ma

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EDUCATION

The Ohio State University   **Columbus, OH**
Bachelor of Science| Major in Computer Science and Engineering   *May 2025*
- **Awards/Honors:** Dean's List, Honors Program

TECHNICAL SKILLS

Front-end: HTML, React, Javascript, CSS
Back-end: Java, C/C++, Python, NodeJS, Ruby on Rails, SQLite
Developer Tools: Git, npm

EXPERIENCE

Student Research Assistant | Center for Design and Manufacturing Excellence   **May 2023 - Present**
- Worked with Amgen Ohio to develop a project proposal submission form using Smartsheet
- Helped to create the passwordless authentication business case proposal for Amgen Ohio
- Assisted with administrative duties at CDME using the Microsoft Office Suite

PROJECTS

Presentify   **Fall 2023**
- Developed a course management application that enabled teachers to create courses and assignments and let students submit assignments and give feedback to other students using Ruby on Rails, CSS, and HTML
- Implemented automatic dark mode based on system settings and made it mobile-friendly

Game of Set   **Fall 2023**
- Developed an online version of the card game Set, using Javascript, CSS, and HTML
- Implemented difficulty, multiplayer, and hint functionality and made it mobile-friendly

Fundamentals of Engineering Robot Competition   **Spring 2022**
- Worked with other students in Ohio State's FEH 1282.01 course in order to build a robot to complete specific tasks on an obstacle course
- Was the lead programmer and tester of the project
- Received an award and scholarship for most consistent robot during the competition

Basic Platformer Video Game   **Fall 2021**
- Developed a platformer video game using C++, becoming comfortable with using classes and objects in a large project