

Jacob Catalina

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EDUCATION

University of Michigan

Bachelor of Science in Computer Science

- GPA: 3.75

Ann Arbor, MI

Aug. 2021 – May 2025

Northville High School

GPA: 4.0

Northville, MI

Sep. 2017 – May 2021

RELEVANT COURSEWORK

Data Structures, Systems Programming, Programming Concepts, Discrete Mathematics, Statistics

EXPERIENCE

IT/Software Analyst

Blackmore Partners

May 2022 – August 2022

Chicago, IL

- Implemented a Rest API using Python and Flask to improve the interface that internal and external executives utilized during client meetings
- Contributed to the development and improvement of the company website using WordPress
- Participated in code reviews and lead company onboardings for new members

Tent Installer/Delivery Truck Driver

Your Event Party Rental

June 2019 – August 2021

Plymouth, MI

- Drove and setup tents across the area for events
- Customer service representatives
- Organized employee schedules

CLUBS

WolverineSoft

Programmer/Game Design

February 2022 – Present

- University of Michigan's premier game design and development student organization using Unity and Unreal Engine Software
- Implemented multiple Unity based projects as a programmer working in small groups or individually
- Hands-on multidisciplinary experience in game design, feature implementation, asset creation, and production

PROJECTS

Personal Website | *HTML, CSS, JavaScript*

October 2022 – November 2022

- Created a personalized website to showcase my resume and future projects to the public using HTML, CSS, and JavaScript
- Continuing to update and add new projects/items to the website as I learn new topics

Monkey Medic | *C#, Unity*

September 2022

- Developed a single player strategy-based puzzle game using Unity and C# with Windows and Linux support
- Winner of the WolverineSoft Fall 2022 Mini Game-Jam

Ball Masters | *Lua, Roblox Studio*

June 2022 – August 2022

- Developed a multiplayer Roblox arcade platformer that utilized airborne item physics and cross-platform collaboration
- Implemented continuous updates and community suggestions every week

TECHNICAL SKILLS

Languages: Python, C/C++, C#, Lua, JavaScript, R, HTML, CSS

Frameworks: Flask, WordPress

Developer Tools: Git, Roblox Studio, VS Code, Visual Studio, Unity, Unreal Engine