Jacob Catalina

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EDUCATION

University of Michigan — Ann Arbor, MI
Bachelor of Science in Computer Science — *Aug. 2021 – May 2025*
- GPA: 3.75

Northville High School — Northville, MI
GPA: 4.0 — *Sep. 2017 – May 2021*

RELEVANT COURSEWORK

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

EXPERIENCE

IT/Software Analyst — May 2022 – August 2022
Blackmore Partners — *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 — June 2019 – August 2021
Your Event Party Rental — *Plymouth, MI*
- Drove and setup tents across the area for events
- Customer service representatives
- Organized employee schedules

CLUBS

WolverineSoft — February 2022 – Present
Programmer/Game Design
- 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

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