Maja Kozlowska

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EDUCATION

Michigan Technological University, Houghton, Michigan
Bachelor of Science in Computer Engineering Expected April 2026

TECHNICAL SKILLS

Languages & Tools: C#, Java, Python, C, SQL (MySQL), MATLAB, Verilog, Assembly
Technologies: Docker, Kubernetes, REST APIs, Git, CI/CD, HTML, CSS, Visual Studio
Other: Agile collaboration, UI/backend integration, Data analysis

PROFESSIONAL EXPERIENCE

Software Engineering Intern, Xopero Software, Poland June – Aug 2024

- Developed and maintained backend services in **C#/.NET**, contributing to a software solution used by over 1,500 customers worldwide.
- Designed backend logic and optimized **SQL database** queries, improving performance of critical operations.
- Worked extensively with Git-based **APIs** (Bitbucket, GitLab, Azure DevOps, GitHub, Jira) to support **CI/CD** pipelines and version control.
- Collaborated closely with the frontend team to ensure seamless integration and alignment between backend and frontend components.
- Applied **DevOps** best practices to streamline backend–frontend integration and improve deployment efficiency.

PROJECTS & COURSEWORK

- **Embedded Systems Design:** Used **Verilog** and **C** to design logic systems and microcontroller programs.
- **Multithreaded 2D Game Engine:** Designed and implemented a custom game engine in **C++** with **multithreaded rendering pipeline**, thread-safe memory management, SIMD optimization, and **OpenGL** graphics programming.
- **Data Visualization Tools:** Built **Python**-based UI tools for displaying structured and real-time data for engineering projects.
- **AI & Algorithms:** Applied ML algorithms and data structures in course projects using Python.

LEADERSHIP EXPERIENCE

Women's Basketball Team|Scholarship Athlete Aug 2022 –Present

- Maintained peak performance in competitive environments while balancing rigorous academics.
- Demonstrated discipline, focus, and communication under high-pressure scenarios.
- Built strong teamwork, adaptability, and decision-making skills transferable to engineering roles.

HONORS & AWARDS

- **Conference (GLIAC) Academic Excellence Team, 2023–2025**
- **Women’s Basketball Coaches Association Academic Top 25 Team Special Mention, 2025**

LANGUAGES

- English - Proficient
- Polish - Native