

Vegas Mantsch

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EDUCATION

University of Wisconsin - Green Bay, Green Bay, WI

May 2026

- Bachelor of Science Degree – Computer Science with Emphasis in Software Engineering
- **Relevant Courses:** Software Engineering, Advanced Object-Oriented Design, Artificial Intelligence

WORK EXPERIENCE

Information Technology Intern - West Bend Insurance Company, West Bend, WI May 2025 – Aug 2025

- Designed and **developed backend APIs** and **microservices** in **Azure Cloud** using **Agile SDLC** and **DevOps** best practices.
- Built and **tested software modules** to enhance **scalability, reliability, and overall system performance**.
- Supported **RESTful API integrations** and **data workflows**, ensuring **secure and compliant deployments**.
- Automated **CI/CD pipelines** in **Azure DevOps**, improving **build consistency and deployment speed**.
- Implemented **monitoring, health checks, and alerting** across services to ensure **uptime** and **security compliance**.

Software Engineering Intern - O'Connor Wealth Management, Mequon, WI

May 2024 – Sept 2024

- Independently designed and developed the company's **website** using **HTML, CSS, and JavaScript** to improve client accessibility and brand presence.
- Created **C++ applications** to automate **accounting and data entry tasks**, reducing manual workload for assistants.
- Implemented **secure data handling** and **testing procedures** to ensure reliability across tools and interfaces.
- Delivered all projects **independently from design to deployment**, demonstrating initiative and full-stack proficiency.

PROJECTS

Medieval Munchers

- **Engineered** a Java-based 2D game with custom rendering and collision detection, creating seamless interactions between dynamic entities.
- Employed **advanced collision detection algorithms**, synchronized with game ticks, to ensure **seamless interaction** between the player and dynamic entities.
- Illustrated creativity and attention to detail by meticulously **crafting all player models and images from scratch**, infusing the game with a distinctive aesthetic.

Krypton API

- **Built a comprehensive user authentication system**, utilizing **JavaScript, TypeScript, SQL, and EJS**, improving security by integrating encryption protocols.
- **Streamlined data retrieval processes**, enabling faster access to user data, enhancing developer productivity by 25%.
- Simplified API integration, reducing setup time for developers by 50% through intuitive design and robust **frontend/backend** collaboration.

TECHNICAL SKILLS

Programming Languages

- **JavaScript (ES6+), React, EJS, C#, C++, Java, SQL**

Cloud & Identity

- **Microsoft Azure, Microsoft Entra, Okta, Azure APIM, Azure Functions**

Tools & Version Control

- **Git, GitHub, Azure DevOps**