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

TECHNICAL SKILLS

Languages
- JavaScript (ES6+), HTML5, CSS3, C#, C++, Java, SQL, EJS

Tools & Technologies
- React, .NET, Git, GitHub, Microsoft Azure, Microsoft Entra, Okta, Azure API Management (APIM), Azure Functions, MySQL, Agile, REST, Express

Certifications
- Introduction to Playwright, Postman API Fundamentals, Microsoft Word, Microsoft Excel

WORK EXPERIENCE

Information Technology Intern - West Bend Insurance Company, West Bend, WI   **May 2025 – Aug 2025**
- Designed and implemented **backend APIs** and **microservices** in **Azure Cloud** to improve scalability and reliability.
- Collaborated in **Agile sprints** to deliver modular, full stack features integrating backend systems.
- Developed and tested **RESTful services** using **Node.js** and **JavaScript** for secure data exchange.
- Automated **CI/CD pipelines** using **Azure DevOps** for consistent deployments and improved code quality.
- Participated in **code reviews** and **unit testing** to ensure maintainable, efficient codebases.
- Enhanced **database performance** by optimizing SQL queries and improving API response times for key web applications.

Software Engineering Intern - OConnor Wealth Management, Mequon, WI   **May 2024 – Sept 2024**
- Built and maintained responsive web applications using **JavaScript**, **HTML**, and **CSS**, focusing on accessibility and UI/UX.
- Integrated **RESTful APIs** and automated workflows with custom scripting, reducing manual workload by 20%.
- Enhanced **data handling** and front-end performance through optimized JavaScript and API caching.
- Collaborated on **code optimization** for faster load times and improved scalability.

SIDE PROJECTS

Universal Wait Tracker
- **Developed** a full-stack web application that displays **real-time Universal Orlando ride wait times**, integrating with live API endpoints for accurate, up-to-date park data.
- Built with **React, Node.js, and Express**, featuring dynamic data visualization, responsive UI, and server-side caching for optimized performance.
- **Deployed publicly** using **Vercel**, reducing load times by **30%** through route prefetching and API response optimization.
- Focused on **user experience and scalability**, enabling users to access reliable real-time park information.

Krypton
- **Designed and launched** a commercial-grade software tool serving **300+ users** and generating over **$10,000 in revenue**.
- Built a **C++ desktop application** with efficient memory I/O operations, real-time data handling, and modular architecture for faster iteration.
- Developed a **web management dashboard** using **TypeScript, SQL, and EJS**, integrating secure authentication, data analytics, and RESTful APIs.
- Improved **data retrieval pipelines** and **API integration**, increasing developer efficiency by **25%** and reducing setup time by **50%**.