Hunter Thiel

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🔗 LinkedIn & GitHub   📍 Freedom, Wisconsin

Education

St. Norbert College, *De Pere*, *WI* : 2023 - Present
Computer Science and Mathematics - 3.4 GPA

Projects

Secure Web Application : 8/24

Tech Stack: Angular, Node.js, Express, PostgreSQL, Docker

- Designed and developed a secure full-stack web application focused on user authentication and authorization using a RESTful API
- Implemented a responsive Angular frontend with modular components for login, registration, and protected routes
- Built a Node.js + Express backend with secure password hashing, JWT-based authentication, and role-aware access control
- Structured and managed relational user data with PostgreSQL, enforcing validation and API-layer security on a containerized service with Docker

Talk-to-Data Python Application: 12/25

Tech Stack: Flutter, Python FastAPI, Google Gemini API, PostgreSQL, SQLAlchemy, Docker

- Developed Talk-to-Data, a cross-platform AI-powered business intelligence app enabling users to query PostgreSQL databases using natural language instead of SQL
- Designed and implemented a FastAPI backend that translates user questions into safe, executable SQL using Google Gemini, returning real-time, data-backed insights
- Built a secure AI-to-database pipeline, enforcing read-only query validation to prevent destructive SQL operations
- Integrated a Flutter frontend with a containerized backend (Docker, SQLAlchemy, PostgreSQL), supporting scalable deployment and clean separation of concerns

Vending Machine : 9/25

Tech Stack: Visual Studio Community, C#/MVC, .NET Core 9

- Built a C#/.NET Core Windows Forms application simulating a vending machine with customer and vendor views
- Integrated file I/O for persistent customer balances and inventory, with real-time updates and data validation
- Used modal/modeless dialog forms for customer login and secure vendor access, along with designing a user-friendly interface with clear availability indicators and error handling

Experience

IT Infrastructure Intern, US Venture : 5/25 - 8/25

- Assisted in configuring and troubleshooting CISCO/Meraki network devices, including configuring switches with CLI for a warehouse location, setting up Cradlepoint routers, and managing nodes/devices in SolarWinds and Meraki
- Gained exposure to Azure cloud environment services and VMware vSphere manager, as well as direct introduction to physical servers in production-enterprise environment
- Helped set up SCADA desktops using Shell and Bash commands to automate the process of installing applications and configurations
- Built multiple Python scripts to make organization-wide network and security setting changes within networks through the Meraki API

IT Hardware Assistant, St. Norbert College : 9/23 - Current

- Diagnose, repair, and test hardware across campus, including computers, monitors, and other devices
- Collaborate with staff and students to resolve technical issues over email or phone, schedule transport of equipment, and manage the recycling of outdated/broken hardware

Skills

Programming -	Web Development -	Networking -	Extracurriculars-
Javascript, C#, Shell, Python	Angular, Node.js, HTML, CSS, RESTAPI	CISCO CLI, Meraki, Cradlepoint, SolarWinds, WireShark	Football, Basketball, Track and Field, Pinky Swear, Emerging Leaders, CS and Math Club