

EDUCATION

UNIVERSITY OF MINNESOTA - TWIN CITIES
Bachelor's Degree in Computer Science

Minneapolis, MN
December 2024

Relevant Coursework:

- Software Engineering, Program Design & Development, Artificial Intelligence
- Advanced Programming Concepts, Algorithms & Data Structures
- Machine Architecture, Computer Architecture, Introduction to Operating Systems

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, SQL, C, C++, C#, OCaml, Assembly
Tools & Technologies: Git, Docker, Linux, REST APIs, UML, React, Node.js, Express, MongoDB, JUnit, Postman
Concepts: Agile Development (Scrum), SDLC, TDD (Unit tests), Groovy (learning), Angular (beginner), Object-Oriented Design, Relational Databases, Client-Server Architecture, Software Design Patterns (Observer, Decorator)

PROJECT EXPERIENCE

- AI Dev Debugging Assistant Tool** | Full Stack SaaS | React, Node.js, MongoDB, OpenAI API
- Developed a full-stack debugging assistant tool leveraging NLP-based AI to analyze and resolve developer errors.
 - Built RESTful APIs with Express/Node.js and a modular backend for performance and reliability.
 - Created a React frontend with real-time input handling and dynamic AI response rendering.
 - Integrated MongoDB for persistent error storage and retrieval.
- Compliance SaaS Platform** | Node.js, Express, React, MongoDB *(In Progress)*
- Architecting a compliance management platform for cannabis businesses, emphasizing seed-to-sale tracking and regulatory reporting.
 - Implementing secure authentication and role-based access control (admin, auditor, staff).
 - Designing REST APIs and MongoDB schemas for auditable inventory and compliance data.
 - Building a React dashboard for real-time discrepancy alerts and compliance report generation.
- Drone Package Delivery Simulation** | C++, Docker, UML, Design Patterns
- Simulated a modular drone delivery system using Observer and Decorator design patterns
 - Implemented battery management, theft prevention, and Docker-based deployment
 - Collaborated via GitHub, designed UML diagrams, and wrote unit tests to ensure system reliability
- Real Estate Lead Follow-Up Automation App** | AI-Powered CRM Tool | JavaScript, Google Apps Script, Sheets API
- Engineered a lightweight CRM workflow in Google Forms/Sheets for automated real estate lead tracking.
 - Generated personalized AI-driven email responses for agents based on form submissions.
 - Enabled multi-agent support by dynamically routing form data and responses.
 - Prototyped future migration to a scalable SaaS application (React, Node.js, MongoDB, Gmail API).

WORK EXPERIENCE

- ALL STAR TRANSPORTATION** Maple Grove, MN
Delivery Driver 2023-2024
- Managed route planning and efficient package delivery with safety-first approach.
- HY-VEE GROCERY STORE** Brooklyn Park, MN
Meat Department Manager 2021-2022
- Led a small team to streamline operations and improve department efficiency.
- THE CLADDAGH IRISH PUB** Maple Grove, MN
Line Cook 2018-2019
- Maintained quality and speed in a fast-paced kitchen environment.