

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, Agile (Scrum), UML, React, Node.js, Express, MongoDB, JUnit, Postman
Concepts: Object-Oriented Design, Relational Databases, Client-Server Architecture, Software Design Patterns (Observer, Decorator), Agile Development, SDLC, Unit Testing

PROJECT EXPERIENCE

AI Dev Debugging Assistant Tool | *Full Stack SaaS* | *Java, JavaScript, React, Express, MongoDB*

- Lead developer of a full-stack debugging assistant tool to help developers troubleshoot errors using NLP-based AI.
- Implemented backend using Express and Node.js with RESTful APIs; ensured performance and reliability through modular design.
- Developed frontend using React; integrated real-time form handling and dynamic AI response display. Added support for MongoDB error storage and retrieval using CRUD operations.
- Practiced Agile workflows, implemented unit testing (Jest, Postman), and deployed in Dockerized environments.
- Applied software engineering principles such as SDLC, clean architecture, and version control.

Voting Software System | *Java, Agile Scrum, GUI*

- Collaborated in a team using Agile Scrum to develop an extensible voting system for multiple election types
- Created a product backlog and contributed to sprint planning, ensuring sprint goals were met
- Developed a user-friendly GUI and a results table for clear election result visualization

Drone Package Delivery Simulation | *C++, Docker, UML, Design Patterns*

- Simulated a drone delivery system using Observer and Decorator patterns for modular design
- Integrated battery management and theft prevention features
- Collaborated on GitHub with remote branches; deployed via Docker for portability
- Designed UML diagrams and wrote unit tests to ensure robust architecture

WORK EXPERIENCE

ALL STAR TRANSPORTATION

Maple Grove, MN
2023-2024

Delivery Driver

- Managed route planning and efficient package delivery while providing top-tier customer service
- Operated large vehicles with a safety-first approach

HY-VEE GROCERY STORE

Brooklyn Park, MN
2021-2022

Meat Department Manager

- Led a small team to streamline operations and improve department efficiency
- Defined business requirements and implemented process improvements

THE CLADDAGH IRISH PUB

Maple Grove, MN
2018-2019

Line Cook

- Maintained quality and speed in a fast-paced kitchen environment
- Memorized complex recipes and supported team coordination during peak hours