Parker Elftmann

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EDUCATION

Bachelor of Science in Computer Science   **University of Minnesota, Twin Cities**
College of Science and Engineering   *(intended graduation date) May 2026*
- GPA: 3.372 / 4.00

PROJECT EXPERIENCE

Drone Package Delivery Simulation   Group project
CSCI 3081W: Program Design and Development   *Spring 2025-Current*
- Developing a drone delivery simulation in C++ focused on applying software engineering principles and design patterns in a team environment.
- Collaborating with a partner to implement a new feature each week during lab, using **design patterns** such as Strategy, Observer, and Composite to enhance modularity and scalability.
- Actively practicing version control with Git and **GitHub** to manage collaboration, handle merge conflicts, and maintain a clean commit history reflecting iterative development.
- Demonstrating an understanding of key **software engineering practices** including code reviews, modular design, unit testing, and proper documentation to ensure code quality and maintainability.
- The project emphasizes collaboration, with regular peer programming and communication to align on feature implementation, debug issues, and present progress during sprint-style reviews.

Agenda LLM RAG Agent   Group project
Social Coding Club   *Fall 2024-Current*
- Contributed to the development of a **centralized knowledge repository** designed to preserve essential information for the Social Coding Club as officers graduate.
- Collaborated with the team to implement a **RAG (Retrieval-Augmented Generation)** agent, acting as a "permanent officer" to provide advice and assistance for club operations.
- **Led the initial phase** of the project by setting up the prototype, utilizing various **APIs** to create the frontend and make a naive RAG agent for the minimum viable product presentation.
- Currently working on the **backend** team, utilizing **Llama** for embedding setup to enhance data retrieval and improve the system's ability to assist future club members.

WORK EXPERIENCE

Davanni's Pizza and Hot Hoagies, Bloomington, MN
Delivery Driver   *March 2023-Present*
- Delivered an average of 15+ orders per shift, ensuring timely and accurate deliveries, which reinforced **time management and attention to detail**.
- Managed daily cash and card transactions, reinforcing accuracy and financial **responsibility** when balancing payments and tips.
- Utilized navigation tools to efficiently plan delivery routes, reducing delivery times and improving customer satisfaction, which strengthened **problem-solving and organizational skills**.
- Collaborated with in-store staff to coordinate orders and address issues, **honing teamwork and communication skills**.

Skills:

- Programming Languages: **Python, Java, C, Ocaml, C++**   - Software: **Microsoft Excel, GitHub, Docker**

- Tools/Technologies: **Git, GDB**   - Web Development: **HTML, CSS, JavaScript, TypeScript**