Samuel Thorson

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Education

Bachelor of Science

College of Science and Engineering, University of Minnesota, Twin Cities   *September 2022 - May 2025*
- Major: Computer Science
- GPA: 3.74 / 4.00

Projects

Raspberry Pi Zero Smart Clock   *March 2025*
- Developed a Python-based smart clock/calendar on a Raspberry Pi Zero using an LCD screen.
- Integrated Google Calendar API and Weatherbit API to fetch and display upcoming calendar events and weather data.
- Used Git for version control to manage code changes and project history.

Portfolio Website - www.samuelthorson.com   *January 2024*
- Developed a fully responsive portfolio website using a React frontend and styled with Tailwind CSS, providing a clean, modern, and user-friendly interface.
- Hosted the website using AWS Amplify, enabling continuous deployment and scalability.

Drone Delivery Simulation - University of Minnesota, CSCI 3081W   *April 2024*
- Developed a data collection system to capture and analyze statistics regarding simulated drone package deliveries.
- Deployed containerized application using Docker to ensure consistent environment replication for testing and deployment.
- Facilitated sprint planning sessions to maintain project transparency within an Agile/Scrum framework.

Skills

Languages: Java, Python, JavaScript, C, C++
Tools & Frameworks: React.js, Git, Agile/Scrum, AWS Amplify
Certifications: Private Pilot License, FAA

Work Experience

University of Minnesota

Teaching Assistant, Computer Science   *September 2024 - Present*
- Led lab sessions of ~20 students to assist students with topics such as file IO and memory management.
- Held weekly office hours to support students with homework and projects concerning C and Assembly programming.
- Collaborated with other TAs to grade projects and exams.

University of Minnesota

Teaching Assistant, First Year Experience   *August 2023 - December 2024*
- Collaborated with the instructor to maintain and improve class material.
- Facilitated meetings to support first-year students in their transition to college.
- Prepared presentations and graded assignments for a class of 40 students.
- Led in-class activities focusing on time management and student success strategies.

Caribou Coffee

Barista   *May 2023 - August 2024*
- Collaborated with a team of 5-10 co-workers to prepare a variety of beverages in a fast-paced environment.
- Maintained a safe and healthy work environment by following organization standards and sanitation regulations.