

Samuel C. Kaminski

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TECHNICAL SKILLS

| C++ | C | HTML5 | CSS | Git | R

EDUCATION

University of Michigan | College of Literature, Science, and the Arts

Ann Arbor, MI

- Major: Computer Science

May 2026

Courses: Data Structures and Algorithms, Foundations of Computer Science, Intro to Computer Organization, Discrete Mathematics, Programming and Intro Data Structures, Programming Concepts

EXPERIENCE AND PROJECTS

Michigan Hackers

Ann Arbor, MI

Open Source Developer

Sept 2024 - Present

- Collaborated in team settings to gain exposure and understand large codebases within open-source projects, contributing to complex environments
- Gained critical teamwork skills through learning version control systems and coordinating projects with diverse teams, enhancing collaborative development efforts

Drone Delivery Optimization System (Project)

April 2024

Back-End Developer

- Implemented Minimum Spanning Tree algorithms and approximations for the Travelling Salesperson Problem to optimize delivery routes for drones
- Utilized branch and bound techniques to achieve optimal solutions, improving efficiency and ensuring minimal delivery distances

Basic Relational Database Simulator (Project)

March 2024

Back-End Developer

- Implemented core database functionalities including table creation, data insertion, deletion, and retrieval using a simplified SQL-like query language
- Selected and implemented efficient data structures, including hash tables and binary search trees, for improved performance and memory usage

Michigan Mountain Bike Alliance

Ann Arbor, MI

Data Analyst Intern

Sept 2023 - Jan 2024

- Developed a comprehensive database for over 1000 miles of mountain bike trails, organizing and categorizing information by location, distance, difficulty, and other key attributes
- Analyzed trail data to deliver actionable insights and recommendations for trail improvement and maintenance

Enwork

Grand Rapids, MI

Logistics Intern

April 2023 – Aug 2023

- Managed logistics with freight companies to obtain shipping estimates, maintaining a consistent 7.3% freight charge amidst union strikes
- Secured competitive shipping rates through daily negotiations with multiple carriers, optimizing costs for deliveries across North and South America