Samuel C. Kaminski

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TECHNICAL SKILLS

| 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, Discrete Mathematics, Programming and Intro Data Structures, Programming Concepts, Introduction to Statistics and Data Analysis

EXPERIENCE AND PROJECTS

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   Remote
Data Analyst Intern   Sept 2023 - Jan 2024
- Compiled and organized data on 1000+ miles of mountain bike trails from multiple sources into a comprehensive Excel database
- Categorized trails efficiently by location, distance, difficulty, and other key attributes to enhance accessibility and usability
- Analyzed trail data to provide insights and recommendations for trail improvement and maintenance

Enwork   Grand Rapids, MI
Logistics Intern   April 2023 – Aug 2023
- Worked closely with freight companies to acquire shipping estimates for outbound products
- Maintained a 7.3% freight charge, despite Union strikes within freight companies
- Negotiated shipping rates with multiple freight carriers daily, securing the most cost-effective options for shipments across North and South America

Operations Intern   May 2022 - Aug 2022
- Operated CNC machinery to apply edge banding to tabletops, ensuring precision, accuracy, and a clean finish
- Coordinated production activities and managed order fulfillment processes to enhance efficiency and ensure timely delivery and customer satisfaction