

# Samuel Kaminski

samkamin@umich.edu • Grand Rapids, MI • 49301 • <https://samkaminski.github.io/SamKaminskiPortfolio/>

## EDUCATION

---

### University of Michigan

Ann Arbor, MI  
May 2026

College of Literature, Science, and the Arts, Computer Science (Major)

- Relevant Courses: Data Structures and Algorithms, Discrete Mathematics, Programming and Intro Data Structures, Programming Concepts, Introduction to Statistics and Data Analysis

## PROJECTS

---

### Drone Delivery Optimization System

April 2024

- 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 TSP solutions, improving efficiency and ensuring minimal delivery distances

### Basic Relational Database Simulator

April 2024

- 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

## EXPERIENCE

---

### 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 the United States

*Warehouse Intern*

May 2022 - Aug 2022

- Skilled in operating CNC machinery for precision fabrication of tabletops and cabinets, managing order fulfillment from warehouse to ensure timely delivery and customer satisfaction.
- Coordinated production, enhancing efficiency and streamlining operations.

## TECHNICAL SKILLS

---

- C++, HTML5, CSS3, Git, R, Microsoft Excel