

Victory (Victor) Ma

[Portfolio](#) • victoryma@proton.me • Rochester, Minnesota • [GitHub](#) • [LinkedIn](#)

TECHNICAL SKILLS

Languages: Python, TypeScript, C++, R, SQL, HTML, CSS

Cloud & Infrastructure: AWS (Lambda, API Gateway, Cognito, RDS, EC2, ECS), Docker, Terraform

Frameworks, Libraries, & Tools: Django, React, Tailwind, HTMX, REST APIs, Git, GitHub, Claude Code

EDUCATION

Saint Olaf College • *Magna Cum Laude* • *Phi Alpha Theta*

Northfield, MN

B.A. Computer Science & History

May 2026

Concentration in Statistics and Data Science

Dean's List x6 • Honors Day x4

Relevant Courses

Machine Learning, Analysis of Algorithms, Software Design, Data Structures in C++, Discrete Mathematics, Data Science, Statistics

PROFESSIONAL EXPERIENCE

GCS Geospatial • *Software Developer Intern*

Mankato, MN • May – Aug. 2025

- Built an internal geospatial data analysis application on AWS using Django, HTMX, Docker, and Terraform in an Agile environment, delivering the product ahead of sprint deadlines.
- Owned full-stack feature development end-to-end and reduced manual GIS workflows for the engineering team.
- Leveraged GitHub Copilot for debugging and code review, improving development velocity within the team's CI/CD pipeline.

Project Friendship • *App Developer*

Northfield, MN • Sep. 2025 – May 2026

- Architected and maintained a production iOS/Android application with REST APIs and a fully serverless cloud backend on AWS (Lambda, API Gateway, Cognito, RDS).
- Wrote comprehensive backend scaffolding and documentation, cutting onboarding time by enabling parallel development.

St. Olaf College • *Research Fellow* • *Center for Interdisciplinary Research*

Northfield, MN • Sep. 2025 – May 2026

- Performed statistical analysis in R on a dataset of 4,000+ student survey responses to identify drivers of belonging and mental wellbeing, surfacing actionable insights for administrators.
- Translated statistical findings into recommendations for non-technical stakeholders, informing campus policy decisions.

St. Olaf College • *Teaching Assistant & Grader*

Northfield, MN • Sep. 2024 – May 2026

- Supported 100+ students across Machine Learning, Algorithms, Statistics, and Ethics over 4 terms, holding office hours and grading assessments for 5 different faculty members. Designated as an "All-Around" TA, capable of helping any CS student.
- Developed instructional materials on A.I. fairness, facial recognition ethics, and data analysis methods.

PROJECTS

BloomMates • *People's Choice Award* • *Ole Cup 2025*

React Native • Firebase

Mental health iOS/Android app centered on gift giving and wellness activities. Allows users to send custom flower bouquets to friends and family while earning discounts at local florists. Directly made software development, marketing, and business decisions. Won at St. Olaf's annual entrepreneurial competition from a competitive field of student startups.

Vexillologists.com

Django • PostgreSQL • HTMX • Tailwind

Full-stack geopolitical learning platform with 60+ active users. Features 250+ countries, territories, and people groups. Includes dynamic caching, reCAPTCHA, and OAuth onboarding. Accelerated development with Claude Code for AI-assisted iteration.

Predicting Revenue via Website Activity

Python • Scikit-Learn • Machine Learning

Built and tuned a classification model to predict whether an e-commerce visitor generates revenue, using behavioral features from the UCI ML Repository. Evaluated multiple algorithms for optimal precision/recall tradeoffs.

LEADERSHIP & MORE

Asian Student Union • *President*

Sep. 2024 – May 2026

Led a 170+ member cultural organization, overseeing weekly programming, field trips, campus fundraisers, and an annual Lunar New Year celebration drawing 300+ attendees. Supported AANHPI Heritage event in collaboration with the City of Northfield.

Algorithms Club • *Executive*

Feb. 2024 – May 2026

Directly supported a competitive programming and technical interview preparation for 50+ members, curating industry-standard algorithm exercises, and recruiting students to be coached on data structures and algorithms for software engineering recruiting.

Languages: English (fluent) • French (intermediate) • Arabic (beginner)