

Victory (Victor) Ma

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EDUCATION

Saint Olaf College Northfield, MN
B.A. Computer Science and History • Magna Cum Laude • Phi Alpha Theta May 2026
Concentration in Statistics and Data Science Dean's List x6 • Honors Day x4

Skills Summary

Python, R, AWS, TypeScript, SQL, Django, Terraform, Docker, React, HTML, CSS, Tailwind, Git, RESTful APIs, Claude Code

PROFESSIONAL EXPERIENCE

Project Friendship Northfield, MN
App Developer Sep. 2025 - May 2026

- Directly built and maintained an iOS/Android application with REST API development and cloud infrastructure.
- Leveraged AWS technologies (Lambda, API Gateway, Cognito, and RDS) for cloud development and Playwright for testing.
- Enabled and supported a frontend development team through backend scaffolding and extensive documentation.

Center for Interdisciplinary Research • St. Olaf College Northfield, MN
Research Fellow Sep. 2025 - May 2026

- Worked with domain experts and professors to conduct statistical analysis and research via R on beneficial student data.
- Analyzed 4000+ survey results in order to improve the sense of belonging and mental wellbeing on-campus.
- Continuously communicated information to non-technical peers to make informed solutions for key concerns on belonging.

St. Olaf College Northfield, MN
Teaching Assistant/Grader • Machine Learning • Algorithms • Statistics • Ethics Sep. 2024 - May 2026

- Designated to be capable of working with computer science students at any level based on coursework completed.
- Aided students in understanding ideas around the impact of software, data, facial recognition, and artificial intelligence.
- Worked closely with 5 professors and 100+ students across 4 semesters to ensure proper comprehension and application of machine learning concepts, key algorithms, data analysis methods, and fundamental computer science concepts.

GCS Geospatial Mankato, MN
Software Developer Intern May 2025 - Aug. 2025

- Developed an internal application used for geospatial data analysis utilizing cloud solutions with AWS.
- Leveraged frameworks and tools including Django, HTMX, Docker, and Terraform. Utilized GitHub Copilot for debugging.
- Conducted coordinate surveys and worked closely in an Agile Development environment to ensure efficient product delivery.

PROJECTS

[BloomMates](#) • People's Choice Award at Ole Cup 2025 React Native • Firebase
Supporting the marketing, development, and business operations of an iOS/Android mental health app centered around interactive gift giving. Incorporates mental wellness activities and gives users the opportunity to send custom bouquets to friends and family while earning discounts to purchase flowers at local florists. Won at St. Olaf College's annual entrepreneurial competition in 2025.

[Vexillologists.com](#) Django • SQL • GCP • HTMX • Tailwind
Engineering a geopolitical learning application with 50+ active users, dynamic webpages, caching, and a database of 200+ countries and territories. reCAPTCHA and OAuth used for onboarding. Leveraging Claude & Cursor for expedited development.

[Predicting Revenue via Website Activity](#) Python • Scikit-Learn • Machine Learning
Developed a predictive model using Scikit-Learn that aimed to use machine learning methods to predict whether an online customer will generate revenue based on features related to their time on the website, using a dataset from UC Irvine.

LEADERSHIP & MORE

President • Asian Student Union Sep. 2024 - May 2026
Organized weekly cultural events to promote community building for a student organization of 170+ members. Led planning for an annual Lunar New Year celebration of 300+ attendees and supported the planning of an AANHPI month event in Northfield.

Executive • Algorithms Club Feb. 2024 - May 2026
Directly supported a student organization of 50+ members that allows students to sharpen their algorithmic thinking and coding capabilities with industry-standard exercises and math problems. Prepared students for future careers in software development.

Relevant Courses

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

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