Victory Ma

Bachelor of Arts: Computer Science, History
Concentration: Statistics and Data Science
Education: St. Olaf College
May 2026 | GPA: 3.84

Portfolio: victory-ma.com
Location: Rochester, Minnesota, USA
Email: victoryma23@gmail.com
Cell Phone: +1 (507) 535 9638

Skills Summary: C++, Python, R, JavaScript, SQL, Django, Docker, AWS, Terraform, React Native, HTML, CSS, Git, Tailwind, Pandas

Relevant Courses: Machine Learning (Python), Algorithms for Decision Making (Statistical Learning in R), Quantum Computing, Analysis of Algorithms, Software Design, Hardware Design, Data Structures in C++, Linear Algebra, Discrete Math, Data Science I, Statistics I, Statistics II

Projects

➢ **BloomMates Mobile App | People's Choice Award | Ole Cup 2025 | React Native / Firebase:** Developing an innovative iOS/Android application that serves to improve mental health through interactive flower gifting. Incorporates mental wellness activities that reward users, allowing them to send custom virtual bouquets to loved ones while simultaneously earning discounts to purchase flowers at local florists

➢ **Curious Vexillologist | Django / HTMX / Tailwind:** Engineered and deployed a vexillology learning application with a database that consists of 200+ countries, each with its associated metadata, serving as an interactive educational quizzing tool. Initially built with Node, Express, and EJS, but recently optimized performance and user experience with Django and HTMX

➢ **Machine Learning Project | Predicting Revenue via Website Activity | Python:** 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, based on a dataset from UC Irvine's Machine Learning Repository

➢ **Statistical Learning Project | Predicting Pokémon Types | R / Tidymodels:** A project using the Tidymodels R package that used machine learning methods to predict a Pokémon's type based on various factors related to its attributes and other in-game characteristics

➢ **Roster Management System | C++:** Led the development of a roster management system featuring advanced algorithms for match simulation and player trading and object-oriented design patterns, with a console interface for handling complex sports team operations

---

Prior Experience

➢ **App Developer | Project Friendship** — **Sep. 2025 - present**
Supporting the development of an internal mobile application, utilizing AWS technologies such as Lambda, API Gateway, and RDS

➢ **Researcher | Center for Interdisciplinary Research | St. Olaf College** — **Sep. 2025 - present**
Working closely with faculty and professors to analyze real survey data and build models to be used by the institution's decision-makers

➢ **Teaching Assistant | Machine Learning | St. Olaf College** — **Jan. 2025 - present**
Working with students and a professor to ensure proper comprehension and application of introductory machine learning concepts

➢ **Teaching Assistant | Analysis of Algorithms | St. Olaf College** — **Sep. 2025 - Dec. 2025**
Worked closely with professors to ensure full comprehension of algorithms of 30+ students in a senior-level computer science course

➢ **Software Developer Intern | GCS Geospatial** — **May 2025 - Aug. 2025**
Directly supported the development of an internal web application used for geospatial accuracy analysis by leveraging frameworks and tools such as Django, HTMX, Docker, AWS, and Terraform. Conducted coordinate surveys for future data analysis as a team

➢ **Teaching Assistant | Ethics of Software Design | St. Olaf College** — **Feb. 2025 - May 2025**
Aided students in understanding fundamental concepts on the impact of software, data, artificial intelligence, and intellectual property

Certifications

➢ **AlgoExpert | St. Olaf College | Coding Interview Training** — **Jan. 2025**
Built a stronger foundation for understanding data structures and algorithms by learning and completing 100 coding interview questions

➢ **AT&T | Technology Academy** — **June 2024**
Completed a week-long online program aimed at educating students on technology careers through lessons and discussions with experts in the field. Lectures explained modern utilizations of APIs, Scrum Teams, HTTP, 5G, Cloud Computing, and Agile Methodology

---

Honors & Awards

➢ St. Olaf College | Dean's List (x5)
➢ St. Olaf College | Honors Day (x3)
➢ Ole Cup 2025 | People's Choice Award

Other Experience

Algorithms Club | Director of Recruitment
Asian Student Union | President
Languages: English (fluent), French (intermediate), Arabic (Beginner)