

Sebastian Valine

(612) 413-2783 - sebastian@martinsgard.com - Stillwater, MN
sebastianvaline.com - linkedin.com/in/sebastian-valine/

EDUCATION

University of Minnesota Twin Cities - B.Comp.E - Computer Engineering *Expected XXXXXX*
Relevant coursework: *Current:* Computing Systems, Engineering Physics I & Calc I;
By May 2026: Intro Data Structures/Algorithms, Discrete Structures, Engineering Physics II & Calc II

SKILLS

Programming: Python, C++ , C, HTML, CSS
Tools: Git, VSCode, Particle Photon 2, Microsoft 365
Soft: Team leadership, technical writing, communication

PROJECTS

Embedded Thermostat: Implemented a simple thermostat on the Photon 2 in C++ ; read temperature sensor data, published readings to the cloud and a local webpage, and updated an LED state based on user-selected mode.
Photon-based Lockbox: Developing the firmware and wiring for a lockbox controlled by push-button sequence; implementing input handling, pattern storage/comparison logic, and lock servo control on Photon 2.
CLI Blackjack: Built a command-line blackjack game in C++ using object-oriented design; wrote classes for hands and deck, stored card values using arrays, and implemented simple algorithm for dealer strategy.
Decentralized Networking Sandbox: Building mesh-network system where multiple Python processes exchange regular messages over UDP without a central server, to deepen my knowledge of networking and network protocol.
Personal Website: Designed and deployed my personal website using HTML and CSS; hosted using Github Pages.

WORK EXPERIENCE

Honor Caddie - White Bear Yacht Club - Jun 2024 to present
Provided golf caddie services to members at a private yacht club; carried bags, advised on club/shot selection; caddied in 2025 Club Championship for winning member; trusted for guest rounds and double-loops. Advanced to honor caddie in only two summers.
Fieldhand/Customer Assistant - Blueberry Fields of Stillwater - May to July 2023
Performed fieldwork, directed and helped customers, and ran checkout station at self-pick blueberry farm.
Line Technician - Lake Elmo Aero - Jun to Nov 2023
Fueled, moved, and cleaned school/tenant aircraft at local FBO.

LEADERSHIP EXPERIENCE

Cadet Commander - St. Croix Composite Squadron (Civil Air Patrol) - Jun 2025 to present
Lead 65+ cadets; run 13-member staff; plan weekly training meetings; build and organize systems and training methods to optimize cadet leadership development and meet/exceed national KPI standards.
Minnesota Representative - North Central Region Cadet Advisory Council (Civil Air Patrol) - Oct 2025 to present
One of two representatives for Minnesota's 780+ cadets; contribute to region-wide policy discussions; liaison between regional and Minnesota cadet leadership; support initiatives impacting cadets across the region.

LEADERSHIP TRAINING

Civil Air Patrol Cadet Program - Phase IV Officer - 2021 to present
Advanced through multi-year leadership curriculum; served in various staff roles; now mentoring junior cadets, leading large staff teams, and practicing strategic organizational planning at unit level and above.
Cadet Officer School - Maxwell AFB - Summer 2025
Completed a two-week intensive USAF-modeled program emphasizing team leadership, strategic thinking, and rapid decision-making under pressure. Was top academic performer in my flight.
Civic Leadership Academy - Washington, D.C. - Feb 2025
Selected as one of 20 cadets nationwide for a week of structured policy, governance, and public-service immersion in Washington, D.C.; engaged directly with federal agencies, senior government officials, and civic leaders.

AWARDS/RECOGNITIONS/CERTIFICATIONS

Amelia Earhart Award (Civil Air Patrol) (May 2025)
Chick Evans Scholarship Nominee (Aug 2025)
Ray Foundation Flight Scholarship Recipient; FAA-licensed Private Pilot/Part 107 Drone Pilot
National Merit Semifinalist (Oct 2024)