

# Carter Anderson

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Boston, MA | [github.com/7fi](https://github.com/7fi) | [carteranderson.dev](https://carteranderson.dev)  
Available January 2026 - July 2026

## Education

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**Northeastern University**, Boston MA, Khoury College of Computer Sciences May 2027  
*B.S. in Computer Science* (GPA: 3.88/4.0)  
Related Coursework: Object Oriented Design, Algorithms & Data, Databases, Programming Languages

**University of California Santa Cruz**, Santa Cruz CA, Baskin School of Engineering Sep. 2023 - June 2024  
*B.S. in Computer Science* (GPA: 3.6/4.0)

**Olympic College**, Bremerton WA Sep. 2021 - June 2023  
*Associate of Arts* (GPA: 3.9/4.0) Deans' Scholar, High School Dual Enrollment

## Technical Skills

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**Languages:** JavaScript, Python, Java, C++ / Arduino, SQL, HTML & CSS  
**Tools:** React, Git, Firebase, Databases, REST API, Networks, Web Scraping, Pandas, Blender

## Project Experience

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**College Sailing Ranking**, Python, Javascript, React, SQL, Firebase, [crowdnest.club](#) (WIP) Sep. 2024 - Present

- Create a widely used website and model to view statistics and rank over 16,000 college sailors and 207 teams
- Scrape 1.1 million data points from the official scores to compare linear regression vs Bayesian approximation
- Work with databases, REST APIs, authentication, and all levels of full-stack development

**Game Map Development**, Blender, Kruner Editor, Kruner.io, Deadshot.io Feb. 2020 - Jun 2023

- Commissioned to construct several game environments for multiple popular online games, earned \$4,000+
- Collaborated on maps that have collected over 100,000 plays

**Flocking / Particle Simulation**, Java, JavaScript Dec. 2022 - Jan 2023

- Created flocking and particle simulations in Java with a custom renderer, vector math class, and quadtree optimization, can handle up to 1,000 flocking agents
- Ported to JavaScript for live flocking web demo

**Custom Web-Based Lighting**, Arduino, RaspberryPi, Python Dec. 2019 - Present

- Programmed Arduino and Raspberry Pi to make custom LED strip effects controllable via a web interface
- Invented 20+ custom patterns and added syncing with Spotify music tempo

## Experience

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**Northeastern Sailing Team Captain and Webmaster** Nov. 2024 - Present

- Organize and plan all team events, regattas, and practices
- Spearhead the management and continuous improvement of the team's website, ensuring content is current, visually engaging, and user-friendly
- Run all team and board meetings, contributing to key decisions and strategic direction for the team

**Lead and Assistant Sailing Instructor**, Bainbridge Island Parks and Rec June 2021 - Sep. 2024

- Taught beginner to advanced sailing skills to youth groups (ages 6+) as a certified US Sailing Level 1 Instructor
- Maintained safety and security of up to 16 campers, sailing equipment, boats, and multiple camp facilities
- Designed and implemented lesson plans and drills, prioritizing skill progression, safety, and enjoyment

**Spartronics High School Robotics Team Captain** Sep. 2021 - June 2023

- Led members through the design, building, and competition of the robot as elected captain
- Plan meetings, manage members, make critical design decisions, and collaborate on building robots

**Port Madison Yacht Club Jr Board Vice Commodore and Treasurer** Dec. 2021 - Sep. 2023

- Created and managed board meetings, club events and race team practices
- Managed club funds and made informed purchasing decisions for major equipment
- Voted in board meetings to help make important decisions about the future of the club