

# Andrew Yurovchak

[andy@yurovchak.net](mailto:andy@yurovchak.net) • 603-321-9446 • Hoboken, NJ • <https://andrewyur.github.io/>

## EDUCATION & SKILLS

### Stevens Institute of Technology

*Bachelor of Science in Computer Science* | GPA: 3.7

Hoboken, NJ  
Expected Graduation: May 2026

Honors: Dean's List (Fall 2022, Spring 2023), NCAA All-Academic Team

Coursework: Systems Programming, Principles of Programming Languages, Data Structures & Algorithms

Proficient Languages: Typescript, Python, C, C#, Rust, Elixir

Libraries and Frameworks: React, Tailwind, Next, Flask, Express, MongoDB, .NET Framework/Core, Svelte

## WORK EXPERIENCE

### Jacobs

*Software Engineering Intern*

Hudson, NH  
May - August 2024

- Worked directly on .NET applications that pack critical navigational data for use in military aircraft
- Wrote and tested code to comply with strict data management regulations and customer requirements, maintaining 100% code coverage on all products
- Adapted quickly to desktop application development with C# in an Agile environment, with no prior experience

## CAMPUS INVOLVEMENT

### Stevens Student Managed Investment Fund

September 2024

*Head of Development and Risk*

- Leading a team of 5 developers while continuing work on the Next/React frontend and Flask backend of the fund's internal website
- Communicating my team's progress and needs with the rest of fund management, and presenting recruitment slides to classes

*Developer*

January - May 2024

- Designed and implemented an about page and a portfolio dashboard with Figma, Next.js, React, and Tailwind
- Developed interactive data visualizations with Chart.js that use data from the website's financial database
- Created a coding challenge and interviewed applicants for the fund's recruitment process

### Stevens NCAA Division III Fencing Team

September 2022 - Present

*Starting Team Member*

- Committing approximately 30 hours per week to practice, conditioning, and travel to ~12 meets per season
- Developed leadership and coaching skills under a high-pressure, stressful environment

### Chi Psi Fraternity, Alpha Xi

January 2024 - Present

*Secretary*

- Take meeting minutes and distribute them to active brothers and alumni
- Participate in frequent service/charity events, volunteer work and rush events

## PROJECTS

### Collaborative Text Editor

June 2024 - August 2024

<https://collab-notepad.super-youtube.com>

- Implemented an Operational Transformation algorithm to resolve edit conflicts and update multiple client states without waiting for a server response, allowing for pushes from a divergent state
- Elixir backend hosts multiple documents concurrently and communicates with the Svelte web client through the WebSocket API

### QR Image Encoder

June 2024

<https://crates.io/crates/qqr>

- Published a Rust program that encodes images into QR codes by manipulating error correction data, reached over 350 downloads in 10 days
- Garnered a performance improvement of 100x over other implementations by utilizing multithreading

### Portfolio Website

March - May 2024

<https://andrewyur.github.io/>

- Built with React and the create-react-app framework, Designed on Figma
- Incorporated blog posts about projects with a landing page by using React Router