

Ayden Diel

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Skills

Programming Languages: JavaScript, Python, TypeScript, Java, C, C++, HTML, CSS, OCaml

Libraries/Tools/Databases: React, Angular, Express, Linux/Unix, Spring Boot, MongoDB, Docker, Pandas, Flask, Next.js, Socket.io, Azure, SQL, AWS, FastAPI, Bash

Work Experience

Software Engineer Intern - Fidelity Investments Smithfield, RI
Jun 2024 - Today
<https://www.fidelity.com/>

- Built a **web app** and **REST API** using **Angular** and **Spring Boot**, allowing financial analysts to onboard financial products, saving 100% of DB developer time
- Implemented web-based **data visualizations** using D3.js, **Angular**, and **TypeScript**, leading to intuitive user interactions with our data

Full-Stack Engineer - DataNext Solutions / Megaship.ai Chicago, IL (Remote)
Apr 2024 - Jun 2024
<https://datanextsolutions.com/>
<https://www.megaship.ai/>

- Implemented authentication system with email verification using **next-auth**, **AWS SESClient**, **MongoDB**, and **EJS** for a user-friendly sign-up and login process
- Built a project monitoring dashboard using **TypeScript**, **React**, and **Chart.js**, allowing users to see real-time data visualizations of their projects' performance

Coding AI Trainer and Interviewer - Scale AI / Remotasks San Francisco, CA (Remote)
Jan 2024 - Apr 2024
<https://scale.com/>

- Debugged and fixed hundreds of code snippets written by **LLMs** and humans using **Python**, **Pandas**, **JavaScript**, **Node.js**, **C**, and **Bash** resulting in a 5/5 quality score
- Conducted over 100 technical interviews for AI Coding Expert candidates

Software Engineer Intern / Research Assistant - UMass Boston Boston, MA
Dec 2023 - Jan 2024
[NPM Package](#)
[Github repo](#)

- Ported state management library from Racket to **JavaScript** for student use
- Wrote **documentation** using **JSDoc**, resulting in coverage of 100% of the library
- Published package on NPM and produced multiple example programs

Software Engineer Intern - PressKit.ai New York, NY (Remote)
Sep 2023 - Dec 2023
<https://www.presskit.ai/>

- Built out essential **frontend** features using **JavaScript**, **HTML**, **CSS**, and **Bootstrap**, which **over 100 paying customers** used to access our service
- Developed a **web scraper** to keep track of the accuracy of our data using **Python**, **Selenium**, and **MongoDB**, automating part of the data upkeep process

Software Engineer Intern / Research Assistant - UMass Boston Boston, MA
Jun 2023 - Sep 2023
<http://play.racketscript.org/>
[Github repo](#)

- Contributed to development of Racket to **JavaScript** compiler, "RacketScript":
- Improved online playground by adding several examples, removing all jQuery usage, migrating from Bootstrap 3 to 5, updating Dockerfile to use best practices

Projects

QR Pigeon - Fast online file-transfer tool using QR codes <https://qrpigeon.pics/>
[Github repo](#)

- Implemented and deployed this **open-source** and free file transfer tool using **Python**, **Flask**, **JavaScript**, and **Azure**, resulting in a total of **400 uses** so far (there's a live count on the website)
- Built a **CI/CD pipeline** using Github actions and bash, resulting in 100% automated deployment

Education

University of Massachusetts Boston Boston, MA
Sep 2022 - Dec 2025

BS Computer Science *GPA: 3.8*

Community Involvement

Club President - UMass Boston Computer Science Club 2022 onward

Conducted over 50 weekly meetings. Organized guest speakers from Google and Microsoft. Built relationships with organizations including Granite Telecom and Boston Venture Studio.