

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
- Built a web app and REST API, using Angular and Spring Boot, resulting in 100% automation of product onboarding and hours of database developers' time saved
Jun 2024 - Today
<https://www.fidelity.com/>

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

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

Software Engineer Intern / Research Assistant - UMass Boston Boston, MA
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
- Investigated symbolic execution in OCaml and presented findings to CS research lab
Dec 2023 - Jan 2024
[NPM Package](#)
[Github repo](#)

Software Engineer Intern - PressKit.ai New York, NY (Remote)
- Built out essential frontend features using JavaScript, HTML, CSS, and Bootstrap, which were used by several paying teams to access and share our data
- 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
Sep 2023 - Dec 2023
<https://www.presskit.ai/>

Software Engineer Intern / Research Assistant - UMass Boston Boston, MA
Contributed to development of Racket to JavaScript compiler, "RacketScript":
- Implemented and documented compatible distributed programs library
- Improved online playground by adding several examples, removing all jQuery usage, migrating from Bootstrap 3 to 5, updating Dockerfile to use best practices
Jun 2023 - Sep 2023
<http://play.racketscript.org/>
[Github repo](#)

Projects

QR Pigeon - Fast online file-transfer tool using QR codes <https://qrpigeon.pics/>
- Implemented and deployed this open-source and free file transfer tool using Python, Flask, JavaScript, and Azure, resulting in a total of 370 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
[Github repo](#)

Education

University of Massachusetts Boston Boston, MA
BS Computer Science *GPA: 3.8*
Sep 2022 - Dec 2025

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.