Ayden Diel

Boston, MA - aydendiel@gmail.com - (508) 638 8824 - https://github.com/leiDnedyA
https://www.linkedin.com/in/ayden-diel-9b0972191/

Skills

Programming Languages:	JavaScript, Python, TypeScript, Node.js, HTML, CSS, Java, C, OCaml
Libraries/Tools/Databases:	Git, React, Bootstrap, Express, Linux/Unix, MongoDB, Docker, Bash, Pandas, Flask, Leaflet, THREE.js, Socket.io, Peer.js, Google Cloud

Work Experience

Coding AI Trainer and Interviewer - *Scale AI / Remotasks* — Remote — Jan 2024 - Current — 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
- Created a script to automate the renaming uploading of interview recordings using Python and Argparse saving ~5 minutes for each recording uploaded
- Conducted virtual behavioral interviews with ~10 programming candidates per week

Software Engineer Intern / Research Assistant - *UMass Boston* — Boston, MA — Dec 2023 - Jan 2024 — https://www.npmjs.com/package/htdp-universe-js — https://github.com/leiDnedyA/ocaml_symbolic_execution
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 and presented findings to CS research lab
- Implemented a working symbolic execution engine using OCaml

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 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

Software Engineer Intern / Research Assistant - *UMass Boston* — Boston, MA — Jun 2023 - Sep 2023 — http://play.racketscript.org/ — https://github.com/racketscript/racketscript
Contributed to development of Racket to JavaScript compiler, "RacketScript":
- Implemented and documenting compatible distributed programs library
- Reducing verbosity of React wrapper by 40% by adding a syntax macro
- Improving online playground by adding several examples, removing all jQuery usage, migrating from Bootstrap 3 to 5, updating Dockerfile to use best practices

Teacher's Assistant - Intro to Computer Science - *UMass Boston* — Boston, MA — Jan 2023 - May 2023
- Ran discussion sessions and graded code for 53 students, course taught in Python.

Projects

Twitter Clone *React, TypeScript, Node, Express, SQL, Sequelize, Docker* — https://github.com/leiDnedyA/twitter-clone
Twitter-like web app with user authentication via Google sign-in allowing users to make and interact with posts.

Education

University of Massachusetts Boston — Boston, MA
BS Computer Science *GPA: 3.9* — Sep 2022 - Dec 2025

Community Involvement

Web Development Mentor - *Innovators for Purpose* — Cambridge, MA — Jul 2023 - Aug 2023
Worked with high school and university students on web dev projects, taught them JavaScript concepts, MVC design pattern, & relational databases w/ Sequelize ORM

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.