

Ayden Diel

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Skills

Programming Languages: JavaScript, Python, TypeScript, Node.js, HTML, CSS, Java, C

Libraries/Tools/Databases: Git, React, Bootstrap, Express, Linux/Unix, MongoDB, Docker, Azure, Sequelize, Flask, Leaflet, THREE.js, Socket.io, Peer.js, Google Cloud

Work Experience

Software Engineering Intern - PressKit.ai New York, NY (Remote)
- Built API with Python/Flask allowing customers to query Bing News API deployed using Microsoft Azure and Docker Sep 2023 - Current

Undergrad Researcher - UMass Boston Boston, MA
Contributed to development of Racket to JavaScript compiler, "RacketScript" by: Jun 2023 - Sep 2023
- Implementing and documenting compatible distributed programs library <https://github.com/racketscript>
- 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
- Resolving miscellaneous issues from GitHub repo (project is open-source)

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

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

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.

Thrift Router *React.js, JavaScript, Node.js, Express.js, Leaflet.js* <https://github.com/leiDnedyA/thrift-router>
Web app that gives you the fastest route to all thrift stores in your area.

Interactive Exoplanet Predictor *React.js JavaScript, Python, THREE.js* <https://github.com/leiDnedyA/interactive-exoplanet-predictor>
Interface and interactive 3D visualizer for ML model that predicts the number of planets a solar system has based on star data. *Collaborators: Edward Gaibor*

Developer Portfolio Site *TypeScript, JavaScript, React.js, HTML, CSS* <https://github.com/leiDnedyA/Portfolio-Site>
Website that shows off my skills and projects. <http://aydendiel.me/>

Education

University of Massachusetts Boston Boston, MA
BS Computer Science *GPA: 3.9* Sep 2022 - Dec 2025
Relevant Courses: *Intro to CS (Python), C Language, Intermediate Data Structures & Algorithms (Java), Calculus II, Applied Discrete Mathematics, Ethics in Computer Science*

Community Involvement

Officer - UMass Boston Computer Science Club 2022 onward
Planned and ran meetings of up to 25 passionate CS students with activities such as resume roasts, team leetcode competitions, and project-based competitions with cash prizes.

Misc

Dean's list 2022-23, freeCodeCamp JavaScript Data Structures and Algorithms Certification