Ayden Diel

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https://www.linkedin.com/in/ayden-diel-9b0972191/ - https://aydendiel.me/

Skills

Programming Languages:	JavaScript, Python, TypeScript, Node.js, HTML, CSS, Java, C, Rust, Racket
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 Engineer Intern - *PressKit.ai*　　　　　　　　　　New York, NY (Remote)
- Built out essential features in the frontend with JavaScript, HTML, CSS, and　　　Sep 2023 - Curren
Bootstrap, connecting UI to RESTful API　　　　　　　　　　　　https://www.presskit.ai/
- Contributed to backend working on REST API with Python, FastAPI, and MongoDB
- Built and deployed a test API with Flask, Python, Docker, and Microsoft Azure to
make requests to Bing News API, creating an endpoint for testing without a token

Software Engineer Intern - *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　http://play.racketscript.org/
- Reducing verbosity of React wrapper by 40% by adding a syntax macro　https://github.com/racketscript/r
- Improving online playground by adding several examples, removing all jQuery　acketscript
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　Jul 2023 - Aug 2023
JavaScript concepts, MVC design pattern, & relational databases w/ Sequelize ORM

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.　　　　　　　　https://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.