

# Ayden Diel

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## Skills

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**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

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

- Built out essential features in the frontend with JavaScript, HTML, CSS, and Bootstrap, connecting UI to REST API backend
- Wrote tests for REST API backend with Python and FastAPI
- 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  
Jun 2023 - Sep 2023  
<http://play.racketscript.org/>  
<https://github.com/racketscript/racketscript>

Contributed to development of Racket to JavaScript compiler, "RacketScript" by:

- Implementing 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
- Resolving miscellaneous issues from GitHub repo (project is open-source)

**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

**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

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**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>  
*Collaborators: Edward Gaibor*

Interface and interactive 3D visualizer for ML model that predicts the number of planets a solar system has based on star data.

**Developer Portfolio Site** *TypeScript, JavaScript, React.js, HTML, CSS* <https://github.com/leiDnedya/Portfolio-Site>  
<https://aydendiel.me/>

Website that shows off my skills and projects.

## Education

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**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

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**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.