

Ayden Diel

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

Skills

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

Technologies/Databases: Linux/Unix, Git, MongoDB, PostgreSQL, Google Cloud Platform, Bootstrap

Education

University of Massachusetts Boston
BS Computer Science *GPA: 3.9*

Boston, MA
Sep 2022 - Dec 2025

Work Experience

Software Dev Intern/Undergrad Researcher - UMass Boston

Boston, MA

Contributed to development of Racket to JavaScript compiler, "RacketScript" by:
- Implementing and documenting a Distributed Programs library to be written in Racket and run in the browser
- Reducing verbosity of RS's React wrapper by 40% by adding a syntax macro
- Updating online playground, removing all jQuery usage and migrating from Bootstrap 3 to 5.

Jun 2023 - Sept 2023

<https://github.com/racketscript>

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

Web Development Mentor - Innovators for Purpose

Cambridge, MA

Working with students to teach them web development skills.

July 2023 - August 2023

Projects

Twitter Clone *React, TypeScript, Node.js, Express, SQLite, Sequelize ORM*
Twitter-like app fully decked out with user authentication via Google allowing users to make posts and interact with each other. (WIP)

<https://github.com/leiDnedyA/twitter-clone>

Thrift Router *React.js, JavaScript, Node.js, Express.js, Leaflet.js*
Web app that gives you the fastest route to all thrift stores in your area.

<https://github.com/leiDnedyA/thrift-router>

Interactive Exoplanet Predictor *React.js, JavaScript, Python, THREE.js*
Web app and data visualizer for ML model that predicts the number of planets a solar system has based on star data.

<https://github.com/leiDnedyA/interactive-exoplanet-predictor>
Other Collaborators: Edward Gaibor

Developer Portfolio Site *TypeScript, JavaScript, React.js, HTML, CSS*
Website that shows off my skills, projects, and contact info.

<https://github.com/leiDnedyA/Portfolio-Site>
<http://aydendiel.me/>

Coursework

Intermediate Data Structures and Algorithms

Spring 2023

Covered OOP, data structures and algorithms using Java.

Projects: 8-puzzle solver using A* algorithm, percolation simulator ...

C Programming Language

Spring 2023

Learned how to write programs in C and created several small projects.

Community Involvement

Club Officer - UMass Boston Computer Science Club

2022 onward

Participated in competition in Spring 2023, helping to organize hackathon in Fall 2023, running meetings.

Other

Dean's list Fall 2022, Dean's list Spring 2023, freeCodeCamp JavaScript Data Structures and Algorithms Certification, Participated in Google Code-In 2017 & 2018