

Dan Ledezma

518 256 3218 • daledezma2020@gmail.com

EDUCATION

University of Rochester

Bachelor of Science, Computer Science

- Cluster in Music Theory, Cluster in Economics
- GPA 3.1 out of 4.0

Rochester, NY

Anticipated 2024

Projects

Connect 4 Adversarial Bot

February 2022

- Implemented Minimax and Heuristic Minimax algorithms for a bot that uses adversarial state space searches to come up with the most optimal move for a connect 4 game.
- Coded Mainly in Java

Dijkstra's Algorithm / Delta Stepping Concurrency

October 2022

- Using the creation of threads and cyclic barriers on existing code for Dijkstra's algorithm and Delta Stepping, I sped up the use of these algorithms to connect with n amount of nodes using my own implementation of concurrency.
- Coded mostly in Java

Code Translator

November 2022

- Wrote a scanner and parser to read an extended calculator grammar, then converted the resulting parse tree into a syntax tree and used case switch statements to translate it to C using semantic analysis
- Used C++ for the scanner and parser, OCaml for the translator and semantic analysis

Experience

Troy Web Consulting

Troy, NY

Software Development Intern

May 2023 - Present

- Worked on full stack web development projects involving Vue, Asp.net, aws services, as well as python. Completed tickets for ongoing projects and sat in at business meetings.

Bethlehem Central School District

Delmar, NY

Helpdesk Intern II

July 2022 - September 2022

- Dismantled legacy technology, installed and set up new technology, troubleshoot software issues, repaired district hardware.
- Worked as a senior college intern with the responsibility of overseeing the younger interns as we navigated the school district

SKILLS

- Programming languages
 - Java, Javascript, C, Python, HTML 5, C++, OCaml, Ruby, Lisp, Ada
- IT Skills
 - Troubleshooting software, computer hardware repair, database management, customer interaction