Dan Ledezma

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EDUCATION

University of Rochester   **Rochester, NY**
Bachelor of Science, Computer Science   *Anticipated 2024*
- Cluster in Music Theory, Cluster in Economics
- GPA 3.0 out of 4.0

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

Personal Website   *Started December 2022(In progress)*
- Developed a personal website consisting of information about my career and personal projects as well as links to important websites and social media pages of mine.
- Coded using ReactJS, HTML 5, CSS
- Can be found at http://www.danledezma.com

Experience

Bethlehem Central School District   **Delmar, NY**
Helpdesk Intern II   *July 2022 – September 2022*
- Dismantled legacy technology, installed and set up new technology, troubleshot 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
- Languages
  - Fluent Spanish
    - Reading, writing speaking
- Other Skills: Leadership, organization, adaptability, creativity