Vincent Lazo

Education

University of Central Florida   Orlando, Florida

Bachelor's Degree in Computer Science, July 2021 (expected graduation date: May 2025)
GPA: 3.52

Relevant Coursework

Data Structures and Algorithms, Database systems, Systems software, Engineering Entrepreneurship, Processes of Object-Oriented Software Development, Discrete Structures II

Technical Skills

- Languages: C/C#, Java, Python, HTML, CSS, Javascript, Flutter, PHP, MongoDB, MySQL
- Software & Operating Systems: Linux, Windows, Github, Figma.

Experience

University of Central Florida   **August, 2022 - May, 2023**

Math Launch Learning Assistant

- Provided one-on-one aid to students in algebraic, trigonometric, and pre-calculus topics on a college level.
- Worked through assignments and practice tests with students, causing them to advance to calculus at a rapid pace.
- Held weekly meetings with other LAs to reinforce each other's weak topics to optimize helping students.

Projects

Reserv   **October, 2023 - November, 2023**

- Created a reservation web/ mobile application that allows student organizations to reserve classrooms for events.
- Constructed a database using MongoDB for efficient handling of organization, room, and event data.
- Designed a user interface with Flutter to allow users to access/ manipulate room reservations.

ASCIIDS   **October, 2023**

- Created a Discord bot that simulates Linked Lists and Arrays using ASCII art.
- Implemented a Discord API for the bot to send and receive messages based on user input in a Discord server.

Contact Manager   **August, 2023 - September, 2023**

- Created a Contact Manager web application that allows users to perform CRUD operations with contact information.
- Used technologies including a LAMP stack for implementation and DigitalOcean to host a server.
- Acted as Project Manager to oversee frontend, API, and database teams and designated tasks to each member to distribute work evenly.

Compiler   **January, 2023 - April, 2023**

- Implemented a word-addressable stack-based virtual machine in the C language that generates assembly instructions when given a PL/0 program.
- Incorporated analysis processes including lexical and syntactical analysis in order to build Abstract Syntax Trees.