

Luiz De Miranda Leao III

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Education

Oregon State University

Bachelor of Science in Computer Science, current 3.92

Corvallis, OR

Expected Graduation: Spring 2024

New Jersey Institute of Technology

Bachelor of Arts in Communications, double major in Theater Technology, 3.7 GPA

Newark, NJ

Aug. 2015 – May 2019

Projects

Graphics editor/Image generator app | C++, Python

August 2023

- Used C++, Open Frameworks and Opengl to create a simple mspaint-like graphics editor.
- Using Open Frameworks graphics programming capabilities, I included a few atypical options such as animated (bouncing) brush strokes that update per frame as well as color-changing and outline-only brushes.
- Built an image generation function that creates a basic image of brush strokes by using randomly generated coordinates as end points for each stroke, while mixing in all previously made brush options to create a kaleidoscopic image.

Test Website | Javascript, Express, React, MongoDB

April 2023 – Present

- Developed a full-stack web application in React utilizing MongoDB database for storage for the purpose of familiarizing myself with full stack development.
- Integrated the Random User Generator website to populate a list with randomly generated “staff” utilizing their api.

Chess-based rpg/roguelike | C++, Unreal Engine, Blueprints

January 2023 - Present

- Used C++ language with blueprints mixed in to create a fully functioning chess game with local multiplayer.
- Added replay value to a single player experience by creating randomized per-run features and allowing the user to have to “build up” to having the standard starting pieces of a chess board.

Skills

Python | C++ | C | Openframeworks | HTML | JavaScript | Blueprints | Unreal Engine | Godot Engine | Gdscript | Excel | Japanese | Portuguese |

Experience

Assistant Language Teacher

October 2020 – Present

Keimei Junior High School

Sapporo, Japan

- Communicating and translating between English and Japanese daily, in class and in office settings.
- Work with 5 teachers to teach roughly 900 students ranging from 7th to 9th grade.
- Lead on average 20 classes a week, working with students through grammar explanations, speeches, and test prep.
- Work with teachers every day to design lesson plans and coordinate schedules across grade levels.

Other Skills & Achievements

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- Successfully passed the JLPT (Japanese-Language Proficiency Test) N2 exam after a year and a half of self study.