

Arturo Portelles

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EXPERIENCE

Queentessence

Software Engineering Intern

March 2020 – Current

Aventura, Florida

- Developing applications using the Django web framework, JavaScript, HTML, CSS, Bootstrap, and GitLab for version control.

PROJECTS

Graphing Calculator

Desktop Application - Lua / Löve

- A collaborative project built with the purpose of graphing a wide variety of functions. The application is able to graph and return an approximated bounded integral using Riemann sums.

Maze Generator and Pathfinding Visualizer

Desktop Application - Python / Pygame

- The application generates random mazes of variable size using a Backtracking algorithm. It also animates the 'flood filled' path and the solution path using Breadth First Search on the open nodes of the maze grid.

"WebSort" (Sorting Visualizer)

Web Application - JavaScript / HTML / CSS

- Sorting visualizer allowing the user to select from a variety of different popular sorting algorithms. The user is also able to alter the number of elements and speed of the animation.

EDUCATION

Florida International University

2018 - 2022

Bachelor of Arts, Computer Science

- 3.72 GPA
- Dean's List
- Bright Futures Scholarship (Florida Academic Scholar)

SKILLS

Python

Java

Git/GitHub

Lua

HTML

CSS

JavaScript

Coursework

Programming 1

Programming 2

Programming 3

Data Structures

Discrete Structures