

Arturo Portelles

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EDUCATION

Florida International University

2018 – Summer 2021

Bachelor of Arts, Computer Science

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

EXPERIENCE

Queentessence

Software Engineering Intern

March 2020 – Present

Aventura, Florida

- Developing applications using the Django web framework, JavaScript, HTML, CSS, Bootstrap, and GitLab for version control.
- Working with RESTful API's on tasks that involve writing endpoints and using preexisting API's in order to integrate key user features.

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.

SKILLS

Python Java Git/GitHub Lua HTML CSS JavaScript
Node.js REST API's

Coursework

Programming 1 Programming 2 Programming 3 Data Structures Discrete Structures