



Arturo Portelles

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EDUCATION

Florida International University

2018 – December 2021

Bachelor of Arts, Computer Science

- 3.72 GPA
- Dean's List
- Bright Futures Scholarship (Florida Academic Scholar)
- Courses taken: Programming 1, Programming 2, Programming 3, Data Structures, Discrete Structures, Intro to Databases.

EXPERIENCE

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Software Engineering Intern

March 2020 – June 2020

Aventura, Florida

- Developed and collaborated on key user features using the Django web framework, Python, Docker, JavaScript, jQuery, HTML, CSS, Bootstrap, and GitLab for version control.
- Implemented under my team a fully functioning analytics dashboard in which I designed and integrated the user interface as well as pulled and processed data from the back-end for display in a way that allows clients to better understand aspects of their business.
- Worked with internal and external API's on tasks such as serializing key user data for display and integrating a live chat module on the existing code base.
- Worked in conjunction with the UI/UX designer to implement some features on the platform webpage.
- Learned practical development practices following a Scrum methodology using Jira.

PROJECTS

Graphing Calculator

Desktop Application - Lua / Löve / GitHub

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

Maze Generator and Pathfinding Visualizer

Desktop Application - Python / Pygame / GitHub

- The application generates random mazes of variable size using a Backtracking algorithm. After generating the maze it 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 / GitHub

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

SKILLS

Python

Git/GitHub

Lua

HTML

CSS

JavaScript

Node.js

REST API's/API's

Express

Java