





# Arturo Portelles

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## PROJECTS

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### Graphing Calculator

*Desktop Application*

- A collaborative project built with the purpose of graphing a wide variety of functions. The application is also able to graph and return an approximated bounded integral.
- Built on Lua and LÖVE using Git/GitHub for version control.

### Maze Generator and Pathfinding Visualizer

*Desktop Application*

- 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.
- Built on Python and Pygame using Git/GitHub for version control.

### Personal Website

*Website*

- Small personal website built from scratch using HTML/CSS.

## EDUCATION

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**Florida International University**

**2019 – Present**

*Bachelor of Arts, Computer Science*

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

## COURSEWORK

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Data Structures (Spring 2020)

Fundamentals of Computer Systems

Programming 1

Programming 2

## SKILLS

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Python

Java

Git/GitHub

Lua

HTML

CSS