Arturo Portelles

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PROJECTS_____

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 using Riemann sums.
- 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 on the open nodes of the maze grid.
- Built on Python and Pygame using Git/GitHub for version control.

Personal Website
Website

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

EDUCATION_____

Florida International University   **2018 - 2022**

Bachelor of Arts, Computer Science

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

COURSEWORK_____

Data Structures (Spring 2020)	Fundamentals of Computer Systems	Programming 1
Programming 2	Systems Programming (Spring 2020)	Databases (Spring 2020)

SKILLS_____

Python	Java	Git/GitHub	Lua	HTML	CSS	JavaScript