

Omar Elbasri

407-861-1772 | elbasriomar@ufl.edu | [Linkedin](#) | github.com/itsomort

EDUCATION

University of Florida

Gainesville, Florida

Bachelor of Science in Computer Engineering, Minor in Mathematics

December 2026

Relevant Coursework: Programming Fundamentals 1/2, Discrete Structures, Computational Linear Algebra, Data Structures and Algorithms, Computer Organization (IP), Digital Logic (IP)

EXPERIENCE

Teacher's Assistant

August 2022 - May 2023

NeoCity Academy

Kissimmee, Florida

- Developed programs in JavaScript integrating Instructure Canvas to automatically leave comments on student submissions
- Increased efficiency of using Canvas by automating certain tasks
- Utilized TamperMonkey to add buttons to HTML for manual operation

Certifications

August 2021 - May 2023

NeoCity Academy

Kissimmee, Florida

- CompTIA A+ (CompTIA 1001 + CompTIA 1002)
- MTA Windows OS Fundamentals
- MTA Security Fundamentals

Panera Bread

January 2023 - May 2023

Associate

Celebration, Florida

- Multitasked effectively by managing orders, cash transactions, and keeping work areas clean
- Received positive feedback from customers after meaningful interactions
- Collaborated with team members to maintain effective operations during peak hours
- Participated in training programs to stay updated on new procedures and menu items

PROJECTS

Minesweeper | C++, SFML, Makefile, Visual Studio

March - April 2023

- Developed Minesweeper in C++ utilizing SFML for GUI and mouse input
- Integrated a timer and real-time reaction to input
- Added ability to read a prebuilt board from a binary file
- Utilized Visual Studio build tools to streamline the compilation process

Graph Manipulation | C++, GitHub, Makefile

October - December 2023

- Collaborated with a team of 3 to make a program to test graph algorithms
- Utilized GitHub to track progress and make revisions on work
- Maintained consistent styling and programming strategies by clearly communicating expectations
- Implemented an algorithm to generate a random, fully connected graph, improving on a previous algorithm by more than **100%**.
- Implemented Dijkstra's Algorithm, Bellman-Ford, and Floyd-Warshall for calculating the shortest path between pairs of nodes, with a system for comparing how long each algorithm took.

TECHNICAL SKILLS

Languages: Java, Python, C++, JavaScript, HTML/CSS

Developer Tools: Git CLI, Github, JetBrains Suite, Visual Studio, Visual Studio Code, WSL