Amira Walid

SOFTWARE ENGINEER

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Education

Suez canal university   *Ismailia, Egypt*

Bachelor's Degree in Computer Science   *Sept 2021 - Current*

- GPA: A

Experience

ALX Full Stack Software Engineering Program   *Online*

Student   *Aug 2023 - Curr*

- Gained hands-on experience with Linux and Shell scripting.
- Dived into low-level programming languages like C and applied this knowledge in various projects.
- Grasped basic knowledge of DevOps, learning to streamline software development and deployment processes.
- Developed a strong foundation in web development fundamentals, focusing on back-end using python.

Projects

Simple Shell   *Github*

- Built a shell that imitates the sh shell using C.
- Executed any command that is in the PATH variable, and also 6 built-in commands.

Restaurant Management System   *Github*

- Build Restaurant Management System using File Structure and OOP.
- Developed Features: Write, Read, Search, Update and Delete data from file.
- Implemented using C++ / Python.

Monty Language Interpreter   *Github*

- Built an interpreter for the Monty byte files which relies on the stack data structure using C.

Hamming Code Implementation   *Github*

- Implemented Hamming Code with python.
- Developed Features: Encode, Error detection and Correction and Decode for message bits.

Skills

Programming   Python, C/C++, Java, JavaScript, SQL.
Miscellaneous   Data Structures, Algorithms, OOP, Unit testing, Linux CLI, Git, Problem Solving.

Volunteer Experience

Mentor, CTF Community   *Online*

Suez Canal University   *Aug 2022 - April 2023*

- Conducted sessions for newcomers and juniors in the field of Cybersecurity.

IT member, TROSC STUDENTS CLUB   *Ismalia, Egypt*

Suez Canal University   *Aug 2023 - curr*

- Participated in technical events hosted at campus.

Achievements

2023   **Sixty-fifth Place**, ECPC QUALIFICATIONS   *Certificate*