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SUMMARY

A highly motivated junior computer science student, specializing in IT, with a deep passion for GNU/Linux, networks, operating systems, and their history — how they developed from their origins to the present day. I am looking for an internship in Linux Systems Engineering and Linux/Unix Systems programming to apply my knowledge in real world projects.

EXTRACURRICULARS

IEEE Cairo University Student Branch

March 2024 – June 2024

Networks Instructor

- Contributing to the development of technical content for the committee sessions and instructed real sessions for network committee members

SKILLS & LANGUAGES

Technical skills & TOOLS:

- Python, C, C++, Java, OOP & Data structures
- POSIX-compliant shell scripting and Bash
- GNU/Linux
- Basic understanding of TCP/IP Protocols Suite
- Git, GitHub, vim, tmux

Languages:

- Arabic: Native proficiency
- English: Intermediate proficiency (B1)

PROJECTS

Linux Kernel With lockdep

April 2024

- Configured and built the Linux kernel to enable lockdep module which helps in debugging deadlocks in kernel space, replacing the new custom kernel into my system and using it.

POSIX Compliant Shell scripts Creation

September 2023 - Current

- Building POSIX-compliant shell scripts to automate daily tasks on my system like spinning up a virtual machine, unarchiving archive files and screen casting.

BigReal

November 2022 – December 2022

- Developed a C++ class that handles big Real Numbers which exceeds the limits of C++, implementing OOP and clean code concepts

Higher Studies Systems

May 2023 – July 2023

- Building a user-friendly website using **Django** framework for the students and staff of Higher studies to streamline the education process.
- Separated student and admin roles by creating distinct models, ensuring tailored access to specific pages using Django decorators for each user type.

EDUCATION

Faculty of Computers and Artificial Intelligence, IT Department, Cairo university.

October 2024 – Current

- Bachelor's Degree in Information Technology (GPA: 3.2)