Youssef Mohamed Dawoud

Computer Engineer

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SUMMARY

I am a computer engineering student from Egypt, I have a profound love and admiration for this field. It was always my dream to work in tech. I am excited to meet new people and learn as much as I can about computers and computer engineering.

HARD SKILLS

Flutter • node.js • Web Development • web API's • RESTful API's • Java • Python • C/C++ • Data Structures • Design of Algorithms • Complexity Analysis • JavaScript • Vue.js • WordPress • Object oriented programming design principles and patterns • Git Source Control • 8088/8086 Assembly • 68k Assembly • MIPS Assembly • SIC/XE Assembly • Digital Logic Circuits • Relational Data Bases • AWS • CI/CD • Circle CI • Deep knowledge of Computer Hardware • Knowledge of operating systems structures • RAID • HTML • CSS • SCSS • PHP

CERTIFICATES

Udacity's Web Development Challenger Nanodegree
September 2021

Palo Alto Networks Cybersecurity Academy's Cybersecurity Foundation
September 2021

Palo Alto Networks Cybersecurity Academy's Network Security Fundamentals
September 2021

Palo Alto Networks Cybersecurity Academy's Security Operations Fundamentals
September 2021

Palo Alto Networks Cybersecurity Academy's Cloud Security Fundamentals
September 2021

Udacity's Front End Web Development Professional Nanodegree
October 2021

Advanced Full-Stack Web Development Nanodegree
May 2022

EDUCATION

Faculty of Engineering, Alexandria University - *Computer and Communications Bachelor's Degree*
August 2019 – Present (expected June 2024)

I am studying Computer and Communications in the Specialized Scientific Programs of the Faculty of Engineering of the Alexandria University. I am in my Eighth semester (Fourth year out of Five) with a GPA: 3.34.

Important Courses:

Analysis and design of algorithms • Data Structures • Digital Logic Circuits • Object Oriented Programming • Fundamentals of C programming • Database Management systems • Computer Organization • Computer Architecture • Systems Programming • Microprocessor Systems • Operating Systems

RELEVANT EXPERIENCE

- Helped in the development of a ticket system using QR codes for my school graduation in 2020, it performed on a large scale and more than 3000 people attended the event.

- Multiple projects during college using various programming languages and data structures including a painting and drawing application that implements undo/redo and free drawing.

- Developed a mobile app in 2022 of the famous word guessing game "Wordle" and launched the app on the Google Play Store. It has a lot of new variations on the famous game the app name is "Daword".

- Had a training provided by Palo Alto Networks in the summer of 2021. The training included skills like Cyber Security fundamentals, Security Operations, Cloud Security fundamentals and Network Security Fundamentals.

- Worked on projects designing digital logic circuits and wiring them. These projects included a traffic light system that alternates the state of 2 roads with a variable timer and a yellow light.

- Developed backend and API for a store front website as part of the Udacity full stack web development nanodegree.

- Launched a full stack website using CircleCi and AWS as part of the full stack web development nanodegree.

- Implemented critical operating system methods, including mutual exclusion, semaphores, process messages, mail boxes, shared memory, threads and scheduling policies.

SOFT SKILLS

Flexible & adaptable • Initiative & taking ownership • Critical thinking • Problem solving for ambiguous problems • Self-management • Technical expertise & professionalism • Drive for excellence • Ability to communicate clearly and constantly with teams in writing and on video calls • Collaborative team-working • Creative and practical • Committed to quality