DAVID AMGAD SALEH

5 Youssef Soliman street-Giza · 01203533452

David.amgad2@icloud.com · www.linkedin.com/in/david-amgad-bb7aa517b/ · github.com/Davidamgad2

Recently graduated with experience in programming and I'm looking for an opportunity as software engineer, backend developer or machine learning engineer or data analysis.

EDUCATION

BACHELOR'S DEGREE, AIN SHAMS UNIVERSITY, JUL 2022

Graduated from the faculty of engineering

- Major: Electrical
- Overall grade: good
- Graduation project: Excellent
- Exempted from military services

EXPERIENCE

SOFTWARE ENGINEER, TECO, NOV2022- PRESENT JOB

Responsible for:

- Creating Windows applications with Python using Tkinter and PyQt5.
- Serial communication connection between the windows application and the controller.
- Creating basic mobile applications for users using Flutter.
- Using Sockets and WebSocket in Python.
- Creating databases using SQLite.
- Creating end points with Django to call.
- Creating GUI for Raspberry pi that communicates with the Windows Application.
- Communication through different protocols TCP/IP and UDP.

BACKEND DEVELOPER INTERN, BIT68, AUG 2022 – NOV 2022

Tools:

- Django and rest framework
- Making API, models, classes, and URLs
- Git and GitHub
- Vagrant

SOFTWARE ENGINEER INTERN, EGYTECH, JUL 2020 – SEP2020

Responsible for:

- Developing a C++ program that saves data of employees.
- Review this data later to do processes on it.

PROJECTS

CLACULATOR FOR MATRCIES WITH C++

Developed calculator that does the following processes for normal and complex matrices:
- Addition, subtraction, multiplication, division.
- Inverse, transpose and determine.

GUI MATLAB PROJECT FOR PLOTTING DIFFERENTIAL EQUATION
- Creating a GUI MATLAB project for a course at the university.

C++ RESTAURANTS PROJECT
- Created to get data from users for restaurants.
- Performs different processes as per request.

COURSES

- **Udemy-Automate the Boring Stuff with Python**
- **Udemy - Build A Backend Rest API with Python & Django - Beginner**
- **Udemy-Python-Django-Practical-Guide**
- **Coursera- Mathematics for Machine Learning: Linear Algebra**
- **Coursera- Python Classes and Inheritance**
- **Coursera- Ai for Everyone**
- **Coursera- Algorithmic Toolbox**
- **Maharatech- Database Fundamentals**

TECHNICAL SKILLS

- **Experience with Python**
- **Good Knowledge in OOP, Algorithms and Data Structure, Design Patterns**
- **Good Knowledge of C++**
- **Strong Knowledge with Django and Rest Framework**
- **Vagrant**
- **MATLAB**
- **Basics In Html5, CSS, SQL, Java Script and Database**
- **Git And GitHub**
- **SQLite**
- **Tkinter**
- **PyQt5**
- **Docker**
- **Basic Knowledge of Aws, Swagger**

SOFT SKILLS

- Time management
- Communication skills
- Presentation skills
- B2 English level

EXTRA ACTIVITIES

- Aviation student activity Arduino workshop
- Programing Competitions (ECPC)