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Faouzi RJILI

Junior ICT Engineer

Portfolio
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Hello, I am Faouzi Rjili, a fresh graduate with a degree in engineering from the Higher School of Communication of Tunis (SUP'COM), one of Tunisia's leading colleges for high-level scientific training. I am also a freelancer at Upwork. I am a junior ICT engineer looking for software engineering positions and am proficient in C++, Python, and algorithms. I love problem-solving and have participated in multiple competitive programming contests, including the Africa and Arab Collegiate Programming Championship (ACPC).

TECHNICAL EXPERIENCE

Freelance C++ Developer / Card Game Development using C++ and SFML **January 2024**
Remote

Upwork

- Architected the project, determining the Object-Oriented Programming (OOP) classes and approaches to use.
- Implemented the game logic using C++.
- Learned to use SFML (Simple and Fast Multimedia Library).
- Designed the game interface architecture.
- Implemented the game interface.
- Conducted testing and sought to optimize the program.

Backend Dev / End-of-Studies Project: Containerized web app for web analysis **May 2023 – September 2023**
Tunis, Tunisia

Niiwaa

- Developed the backend of a webcrawler using Python and JavaScript (Crawlee) to crawl millions of websites daily for updates in news, markets, and other areas.
- Implemented the backend using Python and utilized MongoDB as the database for storing crawled data.
- Implemented a master-slave architecture using RabbitMQ and celery where the master node distributes scraping tasks among multiple servers and schedules visits to websites.
- Utilized Docker and Docker Compose to containerize the project for efficient deployment and management.

Web Scraping Developer Intern **July 2021 – August 2022**
Tunis, Tunisia

ElyaData

- Learned and applied Git for version control.
- Utilized Docker and Dockerhub for project containerization.
- Developed a web scraping bot using Selenium and Scrapy.
- Extracted data from Facebook and Instagram posts and comments, saving it to a MongoDB database.
- Deployed the project using FastAPI and created a Docker image for it.

Freelance Developer / implement walk problem with different approach and visualize data **January 2021**
Remote

Upwork

- Implemented different approach.
- Used pyplot to visualize charts of data.
- Calculated score and tried to find the best approach .

EDUCATION

ICT engineering , Higher School Of Communication Of Tunis	2019 - 2023
Pre-Engineering , Preparatory Institute for Engineering Studies of Nabeul (rank 11/700 at National Exam)	2017 - 2019
Baccalaureate degree with Excellent grade (16.59/20) , Benguerden's High School	2013 - 2017

PROJECTS

Deep Reinforcement learning snake Game player	December - 2021
Open-cv virtual mouse	October - 2021
Open-cv Sudoku solver	October - 2021
Face recognition program	September - 2021

SKILLS

Tools and Languages	Python, C/C++, JavaScript, Git, Express.Js, ReactJs
Quantitative Research	Mathematical optimization, Problem solving
Communication	English(Fluent), French (Fluent), Arabic (Native), German(basics)

ACTIVITIES

Started my own e-commerce business	April 2022 - 2023
Trained high school students for IOI contest	Mars 2022
Started working as a freelance Developer at Upwork	May 2021 - Now
Problem solving contestant : Honorable mention in ACM Arab Collegiate Programming Contest 2021	Mars 2021