Faouzi RJILI
Junior ICT Engineer

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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   December 2023 - January 2024
Upwork   *Remote*
- 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
Niiwaa   *Tunis, Tunisia*
- 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.

Developer Intern / Web Scraping   July 2021 — August 2022
ElyaData   *Tunis, Tunisia*
- 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 - February 2021
Upwork   *Remote*
- Implemented different approaches.
- 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

Open-cv virtual mouse (Python)   October - 2021
Deep Reinforcement learning snake Game player (Python)   December - 2021
Basic Routing Algorithm (C++)   December 2021
Path finding Visualizer (ReactJs)   November - 2023

SKILLS

Tools and Languages	Python, C/C++, JavaScript,Express.Js, ReactJs, Docker, Git
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
Problem solving contestant : Honorable mention in ACM Arab Collegiate Programming Contest 2021   Mars 2021
Participated in a rescue workshop with the Red Crescent and received training   August 2019