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# Faouzi RJILI

## Junior ICT Engineer

Portfolio  
[github.com/fawzeus](https://github.com/fawzeus)  
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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*

- 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*

- 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*

- 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*

- 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

|                              |   |
|------------------------------|---|
| <b>Tools and Languages</b>   | Python, C/C++, JavaScript, Git, Express.Js, ReactJs               |
| <b>Quantitative Research</b> | Mathematical optimization, Problem solving                        |
| <b>Communication</b>         | 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