Ahmad Amine Zrouli

T: +212 6 15 25 19 65
E: zrouli.aa@gmail.com
Github: https://github.com/zrouliaa

Education

Bachelor degree in Computer Science, Mohammed V University
September 2020 - Now

Baccalaureate in Mathematics (High school)
July 2020

Technical Staff of the Competitive Programming Club in Mohammed V University, Faculty of Sciences in Rabat.
March 2022 - Now

Work Experience

Internship at Ministry of Industry and Trade
January 2022 - February 2022

During my observation internship, I managed to learn a lot of technical and administrative things in the IT department of the ministry, such as:
- The import of computer equipment and its installation.
- Visit to the largest data center in Morocco.
- The hierarchy of a network system and the security layers used.
- The process of making a web application, from concept to action.
- Administrative procedures for any kind of maneuver in the IT department.

Achievements

MNPC Moroccan National Programming Contest
- **9th place**, among 90 competing teams.

FPC Future Programmers Contest
- **1st place** in MFPC Moroccan Future Programmers Contest (March 2019, among +60 teams from all over Morocco's High Schools), and qualified to FPC.
- **20th place** in FPC Future Programmers Contest (April 2019, among +60 teams from all over World's High Schools organized in Aman, Jordan).

MOI Moroccan Olympiads in Informatics 2019
- Qualified until 5th round after two coding contests, among +2000 competing highschoolers nationally.

Projects

Selected projects (https://github.com/zrouliaa)

- **Educational Website**
  - It offers a JavaScript course with subscription and gmail smtp server integrated to send emails.
  - Implemented with **HTML**, **CSS** and **JavaScript**
- **Amazon Web Scraper Project**:
  - Track your favorite product from Amazon with an automatic bot that will send you an email when the product hits your preferred purchase budget.
  - Saving the data in a CSV file every day.
  - Implemented using **Python** with **BeautifulSoup** and **Pandas**, and an **SMTP**.
- **Covid19 Data Analysis:**
  - Imported, cleaned, analyzed and successfully visualized the data.
  - Found the correlation between the covid19 infection rates and other worldwide happiness factors.
  - Implemented with **NumPy**, **Pandas**, **Seaborn** and **Matplotlib**.
- **Jumia Web Scraper:**
  - Track your favorite product from Jumia with an automatic bot that will send you an email when the product hits your preferred purchase budget.
  - Saving the data in a CSV file every day.
  - Implemented using **Python** with **BeautifulSoup** and **Pandas**, and an **SMTP**.

Skills

- *Programming: Java, C, C++, Javascript, Python.*
- *Technologies: HTML5, CSS, PostgreSQL, BeautifulSoup, Pandas, NumPy.*
- *Typesetting: Latex.*
- *Operating Systems: MS Windows, Linux (Ubuntu)*
- *Competitive Programming: solved 100+ algorithmic problem solving challenges on online judges.*
- *Languages: Arabic (mother tongue), English, French.*

Interests

Competitive Programming, Data Science, Sports, Drawing, Video Games.