iraoui.imane@gmail.com

+(44) 7501384237

Imane Iraoui

Portfolio

LinkedIn

Education

University of Cambridge MPhil, Advanced Computer Science   Oct 2022 - Jul 2023
- Mastercard Foundation Scholar.
- Modules: Machine Learning and the Physical World, Introduction to Robotics, Machine Visual Perception, Advanced Robotics, Advanced Topics in Machine Learning.

Al Akhawayn University BSc, Computer Science   Sep 2018 - May 2022
- Minor in Business Administration.
- CGPA: 3.94 / 4.0 | Valedictorian.
- Relevant coursework: Artificial Intelligence, Introduction to Big Data, Agile Software Engineering and DevOps.

Professional Experience

Back-end Developer (Part-time)   Jan 2022 - April 2023

Terra IQ   *Rabat - Morocco (Remote)*
- Developed a mobile application for a real-estate social media platform using Node.js, MongoDB, and AWS.
- Created CI/CD pipelines in Bitbucket and worked on unit tests using Jest.
- Collaborated with the team and followed agile software engineering practices, using Jira for workflow management and Bitbucket for version control.

Summer Student   Jun 2021 - Aug 2021

European Organization for Nuclear Research (CERN)   *Geneva - Switzerland (Remote)*
- Joined the LHCb experiment, specifically the DIRAC team, and contributed to the analysis and improvement of the Dirac Benchmarking 12 (DB12) tool. *Link*
- Resolved DB12 issues by porting the code to Python 3, formatting, and building a CI/CD pipeline using GitHub actions.
- Co-authored the paper "Porting DIRAC Benchmark to Python3: impact of the discrepancies and solutions", published in the 41st International Conference on High Energy Physics. *Link*

Software Engineer Intern   Jun 2021 - Aug 2021

Orbit Consulting   *Casablanca - Morocco (Remote)*
- Gathered project requirements and implemented a full-stack website that enables users to search for sports clubs in Morocco, using PHP for the back-end and Bootstrap for the front-end.

Peer Tutor (Part-time)   Jan 2021 - Jun 2021

Center for Learning Excellence   *Ifrane - Morocco*
- CRLA certified.
- Organized weekly individual and group tutoring sessions to help over 200 students with computer science and mathematics courses.
- Led problem-solving sessions to explain programming basics, data structures and algorithms, and object-oriented concepts.

Teaching Assistant (Part-time)   Sep 2019 - Dec 2020

Al Akhawayn University   *Ifrane - Morocco*
- Coordinated capstone presentations and organized engineering-themed events on campus.
- Prepared assignments and relevant course surveys, graded the students' homework and quizzes, proctored exams, and held office hours to discuss the students' concerns.

Skills

Programming languages: Experienced in C/C++, and Python. Familiar with Java, JavaScript, PHP.
Technologies/Frameworks: HTML, CSS, Git, Django, MongoDB, MySQL, PostgreSQL, ROS2, Webots.
Cloud: AWS: S3, Lambda, Cognito.
Other Technical Skills: GitHub, Bitbucket, Jira, LaTeX.
Languages: Arabic *(Native)*, English *(TOEFL iBT 120/120)*, French *(TCF TP C2)*.

Awards and Certificates

Mastercard Foundation Scholarship at the University of Cambridge.	Jun 2022
Excellence Award Scholarship at Al Akhawayn University: Awarded for being among the top 10 students across all majors.	Jan 2021
VEX-U National Qualifier first place.	Mar 2020
OCP Club Makers VEX-U Tournament first place.	Feb 2020
Merit Scholarship at Al Akhawayn University.	Sep 2018
Mohammed VI Foundation Merit Scholarship.	Sep 2018

Extra-curriculars

GirlsWhoML Co-chair.	Oct 2022 - Jun 2023
Cambridge MENA Society Events Officer.	Oct 2022 - Jun 2023
Google Get Ahead EMEA Participant.	Jun 2021 - Aug 2021
Honors Students Society Vice President.	Jan 2020 - Jan 2021
Computer Science for Innovation Club Treasurer.	Jan 2020 - Jan 2021
Student Ambassador.	Sep 2019 - May 2020
Student Government Association Volunteer.	Feb 2020 - May 2020
Ifrane's Astronomy Festival Head of the Logistics Committee.	Jun 2019 - Sep 2019