Imane Iraoui

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EDUCATION

University of Cambridge Cambridge, England
Master of Philosophy in 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 Ifrane, Morocco
Bachelor of Science in Computer Science, Minor in Business Administration *Sep. 2018 – May 2022*
- CGPA: 3.94 / 4.0 - Valedictorian.
- Relevant Courses: Artificial Intelligence, Introduction to Big Data, Agile Software Engineering and DevOps.

EXPERIENCE

Back-end Developer (Part-time) Jan. 2022 – Apr. 2023
Terra *Rabat, Morocco (Remote)*
- Developed a mobile application for a real-estate social media platform using Node.js, MongoDB, and AWS.
- Implemented continuous integration and continuous deployment (CI/CD) pipelines in Bitbucket and created 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 June 2021 – Aug. 2021
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.
- Successfully resolved DB12 issues by porting the code to Python 3, implementing code formatting, and establishing a CI/CD pipeline using GitHub actions.
- Co-authored a research paper published in the Proceedings of Science.

Software Engineer Intern June 2021 – Aug. 2021
Orbit Consulting *Casablanca, Morocco*
- 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 – June 2021
Center for Learning Excellence *Ifrane, Morocco*
- College Reading and Learning Association (CRLA) certified.
- Provided weekly individual and group tutoring sessions to assist over 200 students with computer science and mathematics courses.
- Led problem-solving sessions covering 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 organised engineering-themed events on campus.
- Prepared assignments, relevant course surveys, and graded the students' homework and quizzes.
- Proctored exams and held office hours to discuss students' concerns.

SKILLS

Programming Languages: C/C++, Java, Python, JavaScript, PHP.
Technologies/Frameworks: HTML, CSS, Django, MongoDB, MySQL, PostgreSQL, ROS2, Webots, Git.
Cloud: AWS: S3, Lambda, Cognito.
Languages: Arabic *(Native)*, English *(TOEFL iBT 120/120)*, French *(TCF TP C2)*.