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**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.
- Thesis: Leveraging NLP for Domestic Abuse Analysis. Link
- 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

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|---|---:|
| **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

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|---|---:|
| **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 |