Abdessalam **Ed-dib**

ENGINEERING STUDENT

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Looking for a 4-6 months internship in applied mathematics starting in April 2023

Education

École Polytechnique   *Paris, France*

BACHELOR AND MASTER OF SCIENCE   *Oct. 2020 - PRESENT*

- Third-year student at one of France's most prestigious engineering schools majoring in applied mathematics, with an entrepreneurship minor.

Lycée D'Excellence de Benguérir   *Benguérir, Maroc*

PREPARATORY CLASSES   *Sep. 2018 - June 2020*

- A two-year intensive preparation in mathematics, physics, and computer science leading up to competitive nationwide entrance exams to **"Grandes Écoles"**.

Experience

Omdena · Liverpool Chapter   *Liverpool, England*

JUNIOR DATA SCIENTIST   *Sep. 2022 - PRESENT*

- Collaborated on one of Omdena's projects with a team of more than forty data science enthusiasts to build an AI-powered product to reduce traffic accidents in Liverpool.

SNCF Réseau · DGEX Solutions   *Paris, France*

JUNIOR DATA SCIENTIST   *June 2022 - Aug. 2022*

- Collaborated with a team of five data scientists on a reinforcement learning and operations research project that aims to solve a real-world problem faced by many transportation and logistics companies: the vehicle rescheduling problem.

AiVidence   *Paris, France*

JUNIOR DATA SCIENTIST   *Sep. 2021 - Apr. 2022*

- Helped implement a tool that allows the explainability of tree-based machine-learning models and relies on a game theoretical approach exploiting the Banzhaf power index.

Lycée Julie-Victoire Daubié   *Argenteuil, France*

TUTOR   *Oct. 2021 - Apr. 2021*

- Delivered mathematics and physics courses to underprivileged high school students.
- Taught programming concepts to high school students using Python and introduced them to web development and its technologies: HTML, CSS, Javascript, and Django.
- Managed two science clubs: the first prepared students for the mathematical olympiads, and the second initiated them into advanced mathematics studies.

Association des Professeurs de Mathématiques Guelmim   *Guelmim, Morocco*

FORMER MEMBER · MENTOR   *2018 - 2019*

- Gave mathematics courses to students preparing for their entrance exams or having difficulties learning mathematics at school.
- Participated in the organization of several local and regional competitions to promote the mathematical culture in my region.
- Mentored talented high school students to prepare them for highly selective mathematical competitions.

Skills

Operating Systems	Linux, Windows
Machine Learning	Numpy, Pandas, Scikit-Learn, TensorFlow, StreamLit
Programming	Python, JAVA, C++, C, LaTeX
Languages	English, French, Arabic, Spanish (Basic Knowledge)
Front-end	Hugo, HTML5, CSS, Javascript
Back-end	Django, SQL (Basics)

Projects

As a self-taught learner, I have been doing coding and data science projects to apply what I have learned in lectures, books, or online courses. To have a glimpse of what I have achieved so far, you can check my **GitHub repository** or my **website**.