

Objective

To combine my innovation skills with my knowledge of cutting-edge technology as an intern in the finance sector.

Education

2016 – 2020 **Polytechnician Engineer Program, *École polytechnique*.**

Financial Mathematics - Operations Research - Machine/Deep Learning - Statistics & Risk Analysis

Additional education through seminars in: Architecture, Private and Administrative Law, Public Finances, Market Research, Company and Injury Assessment.

Experience

June 2018 **Assistant Model Risk Manager, *BNP Paribas*.**

Present Member of the RISK Independent Review and Control team (RISK IRC) tasked with studying new and innovative credit risk modeling solutions.

- Independent review of several used models. Model challenging using cutting-edge mathematical techniques.
- Study of several state-of-the-art methods and implementation within the BNP-Paribas framework.
- Study of a complete Machine Learning approach for credit scoring and probability of default prediction within BASEL II.

June 2017 **Consultant, *Al Amana Morocco – Microfinance institution*.**

August 2017 Member of the marketing team tasked to study the feasibility of a micro-loan for small Moroccan cooperative companies.

- Led a Market research and benchmarking in the micro-finance sector and offered legal and financial counseling and solutions. Submitted a pre-feasibility file about the project

Sept 2016 **Educator, *Apprentis d'Auteuil – Maison Daniel Brottier Boarding School*.**

April 2017 Educator and teacher following many boarding-school pupils and assisting them with their problems

- Taught Mathematics, Physics and English to students in 7th grade and above
- Surveyed alumni of the Maison Daniel Brottier and created a database in order to extrapolate data through statistics. Studied and submitted guidelines to optimize and enhance the Maison Daniel Brottier social impact

Skills & Qualifications

- **Computer Skills:** Programming in Java (advanced), Python (advanced), C++ (MPI) & R (basics). Typesetting in \LaTeX
- Proven leadership and public speaking experience through student organizations and work experience.
- Goal and Quality oriented. High adaptability and quick response to changing circumstances.

Memberships & Activities

March 2018 **X-Ray, *École polytechnique*.**

Present President of the school's radio. Management of radio talks, shows, panel and guests.

Oct 2017 **Journal Télévisé de l'X, *École polytechnique*.**

Present Director of External Relations. Management of the relationships with our partners. Contract and mission negotiation with our clients.

Apr 2017 **X-Entreprises, *École polytechnique*.**

May 2018 Head of the Communication Department. Organized the X-Forum 2017.

Languages

Arabic Native

English Fluent

French Native

Spanish Beginner

Hobbies

Sports Boxing & Cross Training

Art Drawing & Painting

Music Intermediate level in guitar

Litterature Avid philosophy and polars reader

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