

## Education

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- 2015-2020** **École polytechnique** (1<sup>st</sup> French university for Engineering and Science).  
(exp.)
- Majoring in Renewable Energy with courses on: Physics, Computer Science, Statistics, Business Strategy
- 2013-2015** **Lycée Moulay Youssef – Rabat – Preparatory classes in science – Mathematics specialization**
- 2 years of intensive undergraduate courses in Science preparing for the national competitive examination for French Grandes Écoles

## Work experience

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- Sept'18 – Feb'19** **Strategy Consultant Intern at Oliver Wyman – Dubai, UAE**
- Designed a new scheme for direct and indirect distribution channels based on in-depth customer behaviour analytics for a large telco group in the Middle East
  - Delivered a cost-cutting strategy for a Medical Insurance company based on analysis of beneficiaries' behavioural
  - Implemented a Machine Learning model to forecast demand and optimize stock for a large handset distributor in Saudi
- Apr'18 – Aug'18** **Research Intern at NextPV / Okada Laboratory– University of Tokyo, Japan**
- NextPV is an international joint laboratory on photovoltaic cells
- Led a research project on 'Hot-carrier Solar Cells'
  - Conducted theoretical work resulting in a simplified model of energy transport
  - Ran simulations to determine optimal parameters for cell design
  - Performed experimental measurement to validate model
- Jun'17 – Aug'17** **CEO's Right Hand at Protosen – Dakar, Senegal**
- Protosen is an Electronic and Mechanical Prototyping Startup
- Upgraded the 3D printer model (SUNUPRINT) and enhanced performance
  - Improved the electronic production by implementing solution in the production line
  - Implemented organizational and communication tools to increase efficiency
- Jun'16 – Jun'17** **Treasurer at AMGE-CARAVANE (Association of Moroccans in Grandes Écoles)- Paris**
- Managed a budget of €300k (negotiating contracts, providers, purchasing bills, etc.)
  - Managed a team of 80 members to organize the largest foreign Moroccan job fair (2000+ visitors, 40 of the largest companies in Morocco)
- Sept'16 – May'17** **University Robotics team manager – France**
- Participated in the French robotic cup 2017
  - Built two fully autonomous robots combining mechanical, embedded and electrical skills
  - Managed and coordinated different team members and found sponsors for the project

## Languages and computer skills

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|------------------------|---|
| <b>Languages</b>       | <ul style="list-style-type: none"><li>• Arabic &amp; French: Native</li><li>• English: Fluent</li></ul>       |
| <b>Computer skills</b> | <ul style="list-style-type: none"><li>• Python , SQL, MATLAB, Java,</li><li>• Microsoft Office, VBA</li></ul> |

## Activities and awards

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- Activities**
- President of X-Afrique – the African student's society of École polytechnique (40 people)
- Organized Forum X-Afrique for entrepreneurship (800 visitors, with the presence of ministers, ambassadors) where 20 mature African start-ups pitched their business model
- Member of the university basketball team (point guard)
- Participated in Model United Nations Conferences (Paris 2016, Cataluña 2017)
- Awards**
- Second place in the National Physics "Olympiad" (Morocco. 2013)