



Education

- **Polytechnique Montréal, Montréal, QC, Canada** (2021)
Ph.D. Candidate, Department of Chemical Engineering

- **Ecole Mohammadia d'Ingénieurs, Rabat, Morocco** (2020)
Engineer degree, Department of Process Engineering

Research Interests

- Process modeling, simulation and optimisation
- Equipment design
- Energy efficiency and heat integration
- Technical and economic analysis
- Water and wastewater treatment
- Transport phenomena: momentum, heat and mass transfer
- Performance and emissions

Work Experience

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| • Office chérifien de phosphate (OCP)
Safi, Morocco | Intern | 2020 |
| • Office chérifien de phosphate (OCP)
Safi, Morocco | Intern | 2019 |
| • Biorésine International
Sidi Slimane, Morocco | Intern | 2018 |

Research Background

- Modeling and simulation of the operation of a distillation column
- Design of a sulfuric production unit with a daily capacity of 2600 tons
- Technico-economic analysis of a reverse osmosis installation
- Energy efficiency of a combustion boiler
- Removal of mercury from an industrial discharge by chemical precipitation of sulphides
- Treatment of industrial waste water using activated sludge
- Optimization of water consumption for fluorinated gas scrubbing in an absorption tower.