

# Nabila Ikhou

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## Professional profile

- Currently conducting a Master of science in economic Decision and cost benefit analysis at Paris school of economics-Ecole des Ponts Paristech
- Master's degree in sustainable development engineering at the university of Science and Technology houari Boumediene in Algiers
- Bachelor's degree in process engineering at the university of Science and Technology Houari Boumediene in Algiers
- Advanced knowledge of all areas of Microsoft office (Word, Excel, PowerPoint)
- Knowledge of MATLAB, and ASPEN HYSYS
- Beginner in R and R studio
- Fluent in French, Arabic, English
- Energetic and self-motivated
- Advanced organizational skills with the ability to handle multiple assignment
- Strong and effective communication skills
- Demonstrated ability to work independently as well as within a larger team environment
- Demonstrate versatility, intellectual curiosity, creativity and analytical thinking

## Work experience

### **Internship at Sonatrach**

from February to Jun 2020

- The aim of my work was to compare, from an ecological and energy point of view, the old heater (F101) and the new heater (F501) of the Algiers oil refinery. To achieve this work, I used a process simulator ASPEN Hysys. The results obtained made it possible to compare the composition and the characteristics of the releases from these heaters, aiming to achieve an optimal operating window which ensures a good compromise between the reduction of the green gases emissions, in particular carbon dioxide (CO<sub>2</sub>), and the increased productivity.

### **Internship at Baker Hughes/General electric**

March 2018

- I worked on the fuel nozzles cell operation including flow test, welding, brazing, striping, and coating
- Tracked all the required document as well as work instructions, shop folder, forms, drawings

## Education

### **Master of science Economic Decision and Cost benefit Analysis**

2020-2021

Ecole des ponts Paristech

### **Pertinent course work**

Econometrics and Data Analysis, Cost Benefit Analysis, Industrial Organization & Regulation, Investment Decision, Risk Uncertainty & Intertemporal Choices, Data Analytics, Energy Economics, Project & Corporate Finance, Urban Economics.

### **Master in sustainable development engineering**

University of science and technology Houari Boumediene (USTHB)

2018-2020

### **Pertinent course work**

Renewable energies, risk management, industrial maintenance, Optimization, energy management, sustainable materials, sustainable processes.

### **Bachelor's degree in process engineering**

University of science and technology houari boumediene (USTHB)

2015-2018

### **High school diploma**

Baccalaureate option science

2011-2014

## Volunteer experience

### **Member of process club (USTHB)**

- Organize and implement free time activities for students in the faculty of mechanic and process engineering

### **Teacher at BBC school**

January 2020

- Teaching a class of preschooler's English lesson on my spare time