

# Pedro RACHED

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[LinkedIn](#)



I am currently a 2<sup>nd</sup>-year PhD student at IFPEN (in partnership with CentraleSupélec). My thesis involves the study of the effect of impurities on the crystallization of BHET (monomer of PET) as a purification process. I am a diligent, inquisitive, and open-minded individual, with experience working both in industry and in the laboratory, and a broad international experience.

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## Skills

- Adaptability
- Fast learner
- Python
- Microsoft Office

## Languages

- Portuguese (Native)
- English (Bilingual proficiency)
- Japanese (Full professional proficiency)
- French (Full professional proficiency)

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## Experience

MARCH 2022 – AUGUST 2022

### **Master Thesis Internship / IFPEN (Solaize, France)**

Internship title: PET glycolysis – inherited catalysts and their inhibitors.

JULY 2021 – SEPTEMBER 2021

### **Production Engineer / Cerealto Ciro Foods (Sintra, Portugal)**

Implementation and monitoring of process standards for factory equipment. Observation and monitoring of daily processes and kick-offs. Instructing workers on checking product quality.

JULY 2019 – JULY 2019

### **Researcher / Instituto Superior Técnico (Lisbon, Portugal)**

Studied the process of Calcium-looping for carbon dioxide capture and energy storage. Familiarized with fixed/fluidized bed reactors, X-ray crystallography and thermogravimetric analysis.

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## Education

JANUARY 2022 – PRESENT

### **PhD Chem. Eng. / IFPEN | CentraleSupélec (Solaize, France)**

JANUARY 2021 – NOVEMBER 2022

### **MSc Chem. Eng. / Instituto Superior Técnico (Lisbon, Portugal)**

GPA: 18/20

AUGUST 2020 – DECEMBER 2020 (ERASMUS+ SEMESTER)

### **MSc Chem. Eng. / Aalto University (Espoo, Finland)**

GPA: 4.33/5

SEPTEMBER 2017 – JULY 2020

### **BSc Chem. Eng. / Instituto Superior Técnico (Lisbon, Portugal)**

GPA: 17/20

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## Activities

Keen sportsman (gym and jogging, 4-5 times a week) and avid reader (around 70 books a year). Also love traveling and photography.