

# Bastien Doudard

## Master Student in Industrial Engineering

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### Summary

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Currently completing a **Master's in Industrial Engineering at Texas A&M**, I am looking for a **full-time Operation Research** position in **Supply Chain** and/or **Data Science** that allows me to apply my process optimization skills and my adaptability to work across diverse fields.

My experiences span a variety of environments — working in academic and industrial roles, studying manufacturing processes in France and Operation Research strategies in the United States, as well as leading both innovative and traditional projects. This diverse journey has helped me develop a practical approach to problem-solving and the ability to tackle challenges from unique perspectives.

### Education

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**Master of Science, Texas A&M University** College Station, TX  
(Expected Graduation Spring '25) Jan 2024 – Present

- **Major:** Industrial Engineering, specialization in Data Science
- **Coursework:** Supply Chain, Data Analysis, Organization Management, Economics

**Master of Science, Arts et Métiers ParisTech** Paris, France  
(Graduation pending Texas A&M MS) Sept 2021 – June 2023

- **Major:** Industrial Engineering
- **Coursework:** Manufacturing Process, Mechanical Engineering, Industrial Design

**Classe Préparatoire aux Grandes Ecoles, Lycée Dorian** Paris, France  
Sept 2019 – May 2021

- **Major:** Industrial Engineering
- **Coursework:** Mathematics, Physics, Engineering Sciences, Literature

### Experience

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**Texas A&M University**, French Teaching Assistant (PT) College Station, TX  
Hold laboratory classes and tutoring hours to help students learning French Aug 2024 – May 2025

**CORDON Electronics**, Electronic & Machine Operator (Internship + FT) Quévert, France  
June 2022 – Aug 2022

- Carry functional tests on internet and TV boxes.
- Assisted production team launch of a semi-automatic test bench, improving test speed and accuracy.

**CECCO Restaurant**, Server (FT) Dinan, France  
July 2020 – Aug 2020

### Projects

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**Data Analysis(Solo)** Jan 2024 – May 2024

Deliver both an executive summary and a technical report.

- Analyze Data set in order to find market trend (Housing Market)
- Fit a prediction model and identify the most influential parameters (Covid-19 National Survey)

**Additive Manufacturing (Team)** Sept 2022 – May 2023

- Design and 3D print a functional watch/clock. (Fusion 360)
- Design and 3D print a compressor. Carry tests to correlate computed/simulated and real efficiency. (Catia & Python)

**Eco-Design (Team)**

Develop a waste-based product that combines performance and economic viability to solve ecological and energy challenges that lie ahead. (Catia & Abaqus)

Feb 2023 – May 2023

**Train Station (Team)**

Research and development of solutions for the SNCF to insert new technologies and methods into train stations to improve traffic and promote multi-modality.

Sept 2022 – Jan 2023

**Study of an Accelerometer (Solo)**

Design and build an accelerometer. Carry tests: reaction time, frequency & precision. Compare the result with real life uses. (Arduino)

Sept 2020 – May 2021

**Smart Shower (Team)**

Design and build a prototype of an improved shower. Participation to high-school innovative project competition.

sept 2018 – May 2019

- Smart shower head linked to a mobile application to track water consumption and warn in real time with LED. (Arduino)
- Optimize water flow in the shower head. (SolidWorks)
- Heat recovery system for used water.

## Volunteering

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**Aggie French Club (Treasurer)**

- Manage club accounts, semester expenses and financial planning.
- Promote French culture by organizing meetings and activities.

Aug 2024 - May 2025

**CEPS Dinan Armor Judo**

- Volunteer Assistant Coach for youth judokas (from 8yo to 16yo).
- Organization and Management of local events (Gala & Tournament)

## Certificate

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**Baccalauréat in Science (High School Diploma)**

Mathematical specialization with High Honors  
*Lycée La Fontaine des Eaux, Dinan, France*

2019

**Judo Black Belt, 1st Degree**

*CEPS Dinan Armor Judo*  
*French Judo, Budo & Jujitsu Federation*

2018

## Skills

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**Spoken Languages:** French (native), English (fluent)

**Programming Languages:** Python, R, Fanuc, Arduino, Ampl

**Software:** Catia, Excel