

# Bastien Doudard

📍 College Station, TX    ✉ bastien.doudard@gmail.com    ☎ (979) 326-8788    🌐 bdoudard.com    in bastien-doudard

## Education

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### Master of Science, Texas A&M University

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

College Station, TX  
Jan 2024 – May 2025

### Ecole Nationale Supérieur des Arts et Métiers (Arts et Métiers Engineering School)

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

Paris, France  
Sept 2021 – June 2023

### Classe Préparatoire aux Grandes Ecoles, Lycée Dorian

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

Paris, France  
Sept 2019 – May 2021

## Experience

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### Texas A&M University, French Teaching Assistant (PT)

Hold laboratory classes and tutoring hours to help students learning French

College Station, TX  
Aug 2024 – May 2025

### CORDON Electronics, Electronic & Machine Operator (Internship + FT)

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

Quévert, France  
June 2022 – Aug 2022

### CECCO Restaurant, Server (FT)

Dinan, France  
July 2020 – Aug 2020

## Projects

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### Data Analysis(Solo)

Deliver both an executive summary and a technical report.

- Analyze Data set in order to find market trend (Housing Market)
- Fit a prediction model (Covid-19 National Survey)

Jan 2024 – May 2024

### Additive Manufacturing (Team)

- Design and 3D print a functional watch/clock.
- Design and 3D print a compressor. Carry tests to correlate computed/simulated and real efficiency.

Sept 2022 – May 2023

### Eco-Design (Team)

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

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.

Sept 2020 – May 2021

### Smart Shower (Team)

Design and build a prototype of an improved shower. Participation to high-school in-

sept 2018 – May 2019

novative project competition.

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

## Volunteering

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### Aggie French Club (Treasurer)

Aug 2024 - May 2025

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

### 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)

2019

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

### Judo Black Belt, 1st Degree

2018

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

## Skills

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

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

**Software:** Catia, Excel