



**Date and place of birth**  
May 07, 1995 in Algiers

**Nationality**  
Algerian

**Visa for Germany**  
Chancenkarte

**Website**  
<https://abdellazizamine.net/>

**Email**  
[abdellazizamine@posteo.de](mailto:abdellazizamine@posteo.de)

**Phone**  
+33 7 51 40 62 39

**Address**  
76001 Karlsruhe  
Germany

**Languages**  
FRENCH · Level C2 ◦  
ENGLISH · Level C1 ◦  
GERMAN · Level B2 ◦  
ARABIC · Native ◦  
KABYLE · Native ◦

**Hobbies and interests**  
Sustainable development ◦  
Libre software ◦  
Chess ◦  
Video games ◦  
Running ◦  
Techno music ◦  
Cats ◦

# Dr. Amine ABDELLAZIZ

## PhD in Applied Mathematics

**About Me** I am a versatile applied mathematician with a focus in **Optimization** and experience in **Data Science**. Enthusiastic about sustainable development, I am eager to finding **sustainable solutions to industrial problems**.

## Experience

### October 2021 - December 2024, PhD Researcher, [ISTerre & LJK](#)

Thesis on the [optimal design of seismic acquisition layouts](#), intersecting optimization, geophysics and computational geometry. Part of the [Seiscope project](#), the work led to a collaboration with [ACTeQ](#), a US-company specializing in optimal seismic surveys.

### October 2020 - January 2021, Developer and Analyst, [TETRAS LIBRE](#)

Extended a previous internship as a part-time Data Scientist to work on time series prediction for orders for [KP1](#), a major French concrete prefab manufacturer. Implemented forecasting algorithms and performed data analysis.

### June - August 2020, Intern, [TETRAS LIBRE](#) — Grenoble

Summer internship in Data Science at a Grenoble-based startup.

### February - July 2019, Intern, [ENSTA](#) — Algiers

Internship on the subject of [optimal preventive maintenance strategies](#).

## Education

### 2021 - 2024, [Université Grenoble Alpes, Grenoble](#)

PhD in Applied Mathematics

### 2019 - 2021, [ENSIMAG, Grenoble](#)

Master of Science in Industrial and Applied Mathematics

### 2017 - 2019, [USTHB, Algiers](#)

Master's degree in Operations Research

### 2014 - 2017, [USTHB, Algiers](#)

Bachelor's degree in Mathematics & Computer Science

## Computer Skills

### Programming

◦ C/C++ ◦ Python ◦ Scilab/Matlab

### Python Libraries

◦ NumPy/SciPy ◦ pandas ◦ scikit-learn  
◦ NLopt ◦ Pyomo ◦ Matplotlib

### Computer Software

◦ GNU/Linux ◦ Git ◦  $\text{\LaTeX}$

## Projects

### May 2025 — [ENERGY FLOW OPTIMIZATION](#)

Interview technical task from [hymate](#) focused on optimizing energy flow in the context of integrating solar and battery storage solutions to the energy grid.

### Winter 2021 — [Rigid motion linking two objects](#)

Computer Vision algorithm to find the movement linking two rigid bodies.

## Publications

### December 2024 — [Geophysical Journal International](#)

"Optimal experimental design for full waveform inversion using a wavenumber sampling criterion : [Part 1](#) and [Part 2](#)".

### June 2023 & 2024 — [EAGE Annual Meeting](#)

Conference papers on my PhD work presented in [Vienna \(2023\)](#) and [Oslo \(2024\)](#).

## Miscellaneous

### September 2022 — [ECMLPKDD 2022](#)

Volunteer in a conference on Machine Learning held in Grenoble, France.