

# ARNAUD GUIBBERT

Double degree student CentraleSupélec/EPFL  
Looking for an internship/master thesis from July 2022



## Educationnal Background

since 2020	<b>Microengeeneering/Data Science - Master's degree at EPFL</b> Stochastics processes - Machine Learning - Deep Learning - Signal pre-processing - Computer Vision - Optimization - Applied Data Analysis <i>Lausanne, Swiss</i>
2018-2020	<b>Engineering Student at CentraleSupélec</b> Statistics - Advanced Probability - Quantum and statistical physics - Fluid mechanics - Automation - Electronic systems - Electromagnetism - Optimization <i>Paris, France</i>
2016-2018	<b>French 'Classes préparatoires' at Lycée du Parc</b> Mathematics - Physics - Engeeneering science <i>Lyon, France</i>
2016	<b>French Baccalaureate at Ecole de Provence</b> Mathematics - Physics - Life and earth sciences <i>Marseille, France</i>

## Projects

Sep-Dec 2021	<b>EPFL Projects</b> ➤ <b>Quantative analysis of the impact of Brexit</b> Sentiment analysis of Brexit quotations using Transformers neural networks - interactive and dynamic data visualizations - [Python]
Apr-Jun 2021	➤ <b>LLE vs MLLE - Review of dimensionality reduction methods</b> Quantitative comparison of Locally linear embeddings (LLE) and its variant, Modified locally linear embeddings (MLLE), on a spam email data set - [Python]
Feb-Jun 2021	➤ <b>Implemented optimization techniques for black box MINLP</b> Implemented and assessed the performances of different algorithms in solving a black box MINLP problem (generate a finite state machine) - [Python] [C++]
Mar-Apr 2020	<b>CentraleSupélec Projects</b> ➤ <b>Power control computing for 5G network</b> Set and solved optimization problems - Stability network analysis - Implementation and numeric solving with [Matlab]

## Professional Experience

Sep-Jan 2022	<b>Intern at Procsim - Optimization and Operations research</b> Optimization of operating rooms schedules - 3D simulation [Flexsim] - Implementation and development of algorithms with [Python] and [C++] <i>Innovation Park, Lausanne</i>
Sep-Dec 2021	<b>Teaching Assistant</b> ➤ Applied machine learning - EPFL
Feb-Jun 2020	➤ Quantum and statistical physics - CentraleSupélec
Aug-Sep 2020	<b>Seasonal jobs</b> ➤ <b>Assistant at LOCABATO - Jeanneau Yacht Mediterranee</b> Pleasure boat renting - Boat maintenance and service - Switchboard operator at Yacht Mediterranee
Jul-Aug 2019	➤ <b>Cableman at MCED</b> Manufactured electrical panels - Cabled - Assembled of power breakers and power distributors

## Personal Interests

2018-2020	<b>Associatif</b> ➤ <b>Community Manager at SBCS (Sono Barco CentraleSupélec)</b> Assembled of events set-ups using truss structures equipped with sound systems, lights and LED screens, followed by DJ and light show performance
2018-2020	➤ <b>Fellow at CS Design (CentraleSupélec Design)</b> Drawing and Design association - Designed logos and posters for associations and companies
2015-2016	➤ <b>Volunteer at MACT (Marseille Accueil Culture Tradition)</b> Charity project to help underprivileged children in the northern districts of Marseille.
	<b>Sport</b> ➤ <b>Tennis (5 years)</b> ➤ <b>Football (8 years)</b>

## Contact Details

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## About me

I'm a young student in the first year of my master's degree at EPFL. I am really interested in data science as well as in optimization and automation. I am currently looking for an internship/master thesis in one of these fields from July 2022. As I have many project experience, I will fit quickly in order to best integrate your team.

## Languages

French	Native
English	Professional (B2)
German	Beginner (A2)

## Softwares

Microsoft Office Suite
Latex
Tableau
Flexsim (3D Simulation)
Adobe Suite
■ Illustrator
■ Indesign

## Programming

Matlab
Python
Git
C++