ARNAUD GUIBBERT

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

Educationnal Background

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

Projects

	EPFL Projects
Sep-Dec 2021	**> Quantative analysis of the impact of Brexit** Sentiment analysis of Brexit quotations - Sentence embeddings using Transformers neural networks - interactive and dynamic data visualizations - [Python]
Apr-Jun 2021	**> LLE vs MLLE - Review of dimensionality reduction methods** 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	**> Implemented optimization techniques for black box MINLP** Implemented and assessed the performances of different algorithms in solving a black box MINLP problem (generate a finite state machine) - [Python] [C++]
	CentraleSupélec Projects
Mar-Apr 2020	**> Power control computing for 5G network** Set and solved optimization problems - Stability network analysis - Implementation and numeric solving with [Matlab]

Professional Experience

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

Personal Interests

	Associatif
2018-2020	**> Community Manager at SBCS (Sono Barco CentraleSupélec)** 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	**> Fellow at CS Design (CentraleSupélec Design)** Drawing and Design association - Designed logos and posters for associations and companies
2015-2016	**> Volunteer at MACT (Marseille Accueil Culture Tradition)** Charity project to help underprivileged children in the northern districts of Marseille.
	Sport > Tennis (5 years) > Football (8 years)

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	Naitive
English	Professional (B2)
German	Beginner (A2)

Softwares

Microsoft Office Suite

Latex

Tableau

Flexsim (3D Simulation)

Adobe Suite
- Illustrator
- Indesign

Programming

Matlab

Python

Git

C++