MAHAUT GERARD

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Double degree TUM & Telecom Paris – majoring in Data Science and Machine Learning
Looking for an Interdisciplinary project.

EDUCATION

MSC. INFORMATICS
Data science, Data privacy and Machine Learning applied to the medical area and the legal area.

ENGINEER'S DEGREE
Data science and engineering: Computer Science, Data Base Management, Machine Learning, Project Management, Deep Learning, Statistics, Optimisation, Responsible Digital Innovation. Applied and theoretical courses.
Second year in EURECOM, Sophia Antipolis: 100% English lectures and campus.

PCSI – PC* CLASSES PREPARATOIRES
Preparation for the nationwide competitive entrance examinations to French Engineering Grandes Ecoles. Majoring in Mathematics, Physics and Chemistry.

MATHEMATICS AND NATURAL SCIENCES BACCALAUREAT (FRENCH HICH SCHOOL DIPLOMA)
WITH HIGHEST HONORS
20/20 in Mathematics. 20/20 in Physics and Chemistry. 20/20 in Natural Sciences.

Technische Universität München
📅 2021-2022   (Germany)
14th computer science university worldwide, THE 2022

Telecom Paris ▫ GPA : 3,97/4
📅 2019-2022   (France)
2nd french engineering school, L'Etudiant 2021 ingénieurs

Lycée Henri IV ▫ GPA : 4/4
📅 2017-2019   (France)
1st CPGE PC, L'Etudiant 2021 PC/PC*

Lycée Jean-Baptiste Say
📅 2017   (France)

EXPERIENCE

Project Manager, Télécom Etude junior company   **2019 - 2021**
□ Contact firms, specify the project, define the budget, find relevant Telecom Paris students to do the project, committed to meeting deadlines. Projects in Data science, Machine Learning, Deep Learning and Cybersecurity.
□ According to Telecom Etude 2020 goal to start doing cybersecurity projects, I oversaw the first cybersecurity project of TE, after responding with a commercial offer to the firm need.
□ Commercial development to find new clients.

Private Lecturer   **2017 -**
□ Volunteer in "École à la Maison" initiative during the first French lockdown due to the Covid19 pandemic. Online support in sciences to a high school Student with difficulties.
□ At home help in Maths, Physics to students. General help, preparation for exams.

SOME OF MY PROJECTS (2019 – 2022)

Inpainting in Medical imaging, TUM, project group of 4   **6 months**
Generating anomalies to balance medical datasets according to the state-of-the-art research. Different kind of GANs, SPADE Normalization, Speckle, data pre-processing. In progress.

Legal Texts Classification, TUM, personal project   **3 months**
Legal texts annotation (GLOSS) as a starting point for the dataset, Neural Legal Langage Model, Legal NLP for classification. In progress.

Glaucoma diagnosis and segmentation, Eurecom, Team of 2   **1,5 month**
Kaggle challenge: data analysis, data augmentation and contour detection, ensemble method using UNet encoder-decoder followed by a linear classifier. Python. A+ grade after presentation. Top 3 teams. See code

Sentiment analysis, Eurecom, Team of 2   **1,5 month**
Kaggle challenge: Data analysis, language detection, text pre-processing and text normalization, Bert transformer network. Python. A+ grade after presentation. See code

Inverse Transparency – a new form of data privacy, TUM, personal essay   **6 months**
Exploring inverse transparency and its relations with transparency-enhancing and privacy-enhancing tools. Taxonomy. In progress.

The role of cognitive bias in gender inequality, Telecom Paris, personal essay   **6 months**
Written in the form of a magazine folder, the essay explores the links between stereotypes, cognitive biases, and gender inequalities. A grade.

Safe and Smart Bag, Telecom Paris, project group of 7   **6 months**
This is a connected bag which has several functions: GPS, activity tracking, road safety. It includes a backpack with flashers, Arduino piece, battery, and an Android app. I oversaw the Database and the client-server (Bluetooth communication) parts. SQL, JavaScript. A grade.

SKILLS

IT
Python ▫ Java ▫ C ▫ SQL
HTML ▫ CSS ▫ JavaScript
TypeScript ▫ MS Office ▫ Git ▫ Latex

Languages
French ▫ Native
English ▫ Fluent (Toefl iBT : 102)
German ▫ Conversational

COMMUNITY ACTIVITIES

Horse riding French Cadet and Junior club championship in dressage (2015 and 2016): individual and team competitions. With ranking: 6th 2015 team, 10th 2015 individual. Pursuing horse riding in a labelled dressage competition stable (2017-2020).
Horse rider (ecurie la Metairie) July 2020: Day-to-day running of an endurance competition stable: training of horses, stables and equipment maintenance, take care of horses' food and well-being, help before races.
Student job (Verein Münchner Pferdefreunde E.V.) from October 2021: helping within the stables and training of horses.

Harp 12 years' experience. Harpist in "Orchestre du Plateau de Saclay", concerts. December 2019 concert: *Danse Macabre* by Saint-Saëns, *Prelude to the afternoon of a faun* by Debussy. Single: *The Wellspring*, Op. 44 by Hasselmans, Glinka *Nocturne*.