Grégoire de Lambertye

gregoire.delambertye@gmail.com
English, French, German
+33 7 59 64 91 92

blog: gdelambertye.vercel.app
linkedin/gdelambertye
github/gregoireLamb

Machine Learning Engineer

Education

- **Technisches Universität Wien** — Vienna, Austria
  MSc. in Data Science; Graduated with highest Honors — *Sept 2022 – Oct 2024*
  - Minors: *Machine Learning and Statistics* & *Big Data and High-Performance Computing*
- **Institut National des Sciences Appliquées de Lyon (INSA Lyon)** — Lyon, France
  Engineer's degree in Computer Science, Supplementary diploma in intercultural studies (DEII) — *Sept 2018 – Jul 2024*
  Final year completed as part of a dual-degree program with TU Wien.
  - 2020-24: Computer Science Master's Degree with a focus on software engineering and databases
  - 2018-20: Undergraduate Foundation Course in Engineering Sciences • International section (EURINSA)

Experience

- **University Hospital Regensburg** — Vienna, Austria (Remote)
  Data Scientist — *Short-term 2024*
  - **AI for Clinical Diagnostics**: Developed and trained deep learning models for diagnosing facial palsy using portraits. Contributed to the paper *"Diagnosing Facial Synkinesis Using Artificial Intelligence"* (accepted at *Scientific Reports*, Nature). Tools: **Python, PyTorch, CUDA, Flask**
- **Arthur D. Little** — Vienna, Austria (Remote)
  Data Scientist — *Short-term 2024*
  - **Freight Emissions Dashboard**: Designed and developed a data visualization dashboard analyzing CO2 emissions from alternative truck freight options versus rail freight in Austria. Tools: **Python, Google Maps API, Pandas**
- **Électricité de France (EDF)** — Lyon, France
  Data Analyst Intern — *May 2022 – Aug 2022*
  - **Thermodynamic Sensor Analysis**: Analyzed sensor data from nuclear plants to enhance real-time leak detection capabilities (EDF's SEXTEN). Tools: **Java**
- **Rational AG** — Wittenheim, France
  Developer Intern — *Jul 2021 – Aug 2021*
  - **Smart Appliance Communication**: Built a C++ application using the OPC UA protocol to optimize energy usage among connected kitchen appliances. Tools: **C++, OPC UA, Git**

Research and Publications

- **Music Semantic Reconstruction with Deep Learning (Master Thesis)**: Investigate the use of Graph Neural Networks for the semantic reconstruction stage in Optical Music Reconstruction. Tools: **PyTorch Geometric, Graph Neural Networks**
- **Semantic Reconstruction of Sheet Music with Graph Neural Networks**: Presented at the **6th International Workshop on Reading Music Systems (WoRMS 2024)**. Proposed a method for semantic reconstruction of sheet music using Graph Neural Networks. Tools: **PyTorch Geometric, Graph Neural Networks**
- **Diagnosing Facial Synkinesis Using Artificial Intelligence to Advance Facial Palsy Care**: Designed deep learning pipelines for medical image diagnostics in collaboration with University Hospital Regensburg. Accepted at **Nature, Scientific Reports**. Tools: **Python, PyTorch, Cuda**

Personal and Other work experience

- Hobbies:: Rugby (7s rugby Austrian vice-champion, team captain), Travels, Running, Graphic Design, Photography
- Associations:: Player and social media manager, **Stade Rugby Vienna** (2022–2024), Active member of **BDE INSA Lyon** (2018–2022), **AEDI** (2022), **EUROPEA** (2019)
- Summer Jobs::
  Working Holiday Visa (hospitality, agriculture) — *New Zealand, 2025*
  Grape Picker – Domaine de la Romanée-Conti, Domaine Méo-Camuzet — *France, 2017 to 2024*
  Logistician Operator – Ligier, Kuehne & Nagel, Daimler AG — *France & Germany, 2019, 2020, 2023*