PIERRE-LOUIS DAVID

PERSONNAL DETAILS

📍 Käferholzstrasse 54, Zürich 8057

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📞 +33 (0) 7 78 43 46 08

📅 16/02/2000 in Chelsea, London

COMPUTER SKILLS

Python : (PySpark, TensorFlow, Scikit-learn, Matplotlib, ...)

SQL

Tableau / PowerBI

JavaScript and ReactNative

C++

Excel

HOBBIES

Running - 2 times Marathon finisher and currently preparing Paris Marathon (goal is sub 3h)

Traveling and discover new cultures

LANGUAGES

French

English

Deutsch

EDUCATION

Master in Mechanical Engineering - Major Computer Science - Present
Eidgenössische Technische Hochschule (ETH) Zürich, Switzerland
Notable courses :
- Big Data and Information System
- Machine Learning and Reinforcement
- Planning and Decision Making
- Risk Modelling

Bachelor in Mechanical Engineering   **Sep 2018 - Sep 2021**
Ecole Polytechnique Fédérale de Lausanne (EPFL), Switzerland
Notable courses :
- Fluid Mechanims
- Finite Element Methods and Modeling
- Thermodynamic, Heat and Mass transfer
- Electromagnetism and Mechanical Physics

Scientific Baccalaureate   **Sep 2017 - Jun 2018**
Institut Notre-Dame, Paris | Sep 2015 -Sep 2018
Highest Honour

EXPERIENCES

Founder   **July 2023 - Present**
Neurodeus, Geneva, Switzerland
- We specialise in crafting innovative tech solutions tailored to niche industry needs, with a strong emphasis on leveraging cutting-edge technologies that drive tangible business results.
- Our first solution employs GAN architecture, specifically designed for the automotive industry, to enhance driver grading, recognition, and security. Visit neurodrive.ch to know more !

Deep Learning Intern   **May 2023 - Aug 2023**
PSI - Paul Scherrer Institut, Zürich, Switzerland
- Center for Protons Therapy - PSI treats the highest number of ocular tumors worldwide (over 8'000 patients by 2022)
- Utilized U-Net deep learning networks for multi-class segmentation in ocular tumor treatment.
- Analyzed segmented masks to assess the involvement of eyelids in treatment fields and recovery.

Data Scientist Intern   **Sep 2022 - Feb 2023**
Swiss Exchange SIX, Zürich, Switzerland
- Active member of the Change Management Team - creating new Data models and ETLs in the aim of transitioning to the Cloud.
- Creating and improving quantitative models and KPIs for stakeholders, using tools such as Python and SQL.

Project Manager   **Sep 2020 - Jun 2021**
Junior Entreprise EPFL, Lausanne, Switzerland
- Managing 16 IT projects (55k CHF) from scratch, communicating with external clients and recruiting students
- Write contracts respecting legal aspects
- Responsible for finding and managing Partnerships