



PERSONAL DETAILS

- Käferholzstrasse 54, Zürich 8057
- pierre-louis.david@outlook.com
- +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

Preparing the Paris Marathon
Goal is sub 3:30h

Traveling and discover new cultures

LANGUAGES

French



English



Deutsch



PIERRE-LOUIS DAVID

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
- Control Systems
- 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

Data Scientist Intern Sep 2022 - Present
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

Bioengineering Project Jan 2021 - Jun 2021
Geneve Hospital HUG, Switzerland

- The ultimate goal was to advise surgeons on the placement and length of a steel screw for numerous and different femoral fractures.
The project combines :
 - Simulation of the fracture of the femoral bone on Abaqus
 - Python automation of simulations depending on many patient factors (Age, Location and Orientation of the fracture, Material, Sexe ...)
 - Data extraction and analysis

Student Assistant in Mathematics Jan 2020 -Jun 2020
EPFL Tutoring, Switzerland

- Helping new students with Mathematics courses (Analysis and Linear algebra)
- 8 hours/week