

Contact

0651299638 (Mobile)
daniel.altunay@gmail.com

www.linkedin.com/in/daltunay
(LinkedIn)

Top Skills

CSS

Body Pose Estimation

LangChain

Languages

English (Native or Bilingual)

Français (Native or Bilingual)

Certifications

Getting Started with R

Project Management

Logistic Regression with NumPy and Python

Structuring Machine Learning Projects

Data Science Math Skills

Daniel Altunay

Data Scientist @ Decathlon — Institut Polytechnique de Paris (IPP)
Greater Paris Metropolitan Region

Experience

Personal Projects

1 year 2 months

chat-o-sophy — Personal Project

October 2023 - Present (2 months)

chat-o-sophy: Chat with your favorite philosophers!

-> live deployed web app: <https://chat-o-sophy.streamlit.app/>

Tech stack:

- Back-end: Python
- Front-end: Streamlit
- Large Language Models (LLMs): LangChain, OpenAI, Replicate
- LLM security: Lakera
- Development tools: Git/GitHub, Poetry, Docker
- Quality: ruff, mypy, isort

GitHub: github.com/daltunay/chat-o-sophy (currently private)

Calivision — Personal Project

October 2022 - September 2023 (1 year)

Calivision : classifying bodyweight exercise videos using computer vision and machine learning

Tech stack:

- Data: numpy, pandas, scikit-learn
- Computer Vision: OpenCV, MediaPipe
- Time Series: tslearn, tsmothie
- Algorithms: Dynamic Time Warping, Fast Fourier Transform
- Visualization: seaborn, plotly (3D)
- Machine Learning : Custom k-NN, LSTM (PyTorch)
- Development tools: Git/GitHub, Poetry
- Quality: flake8, black, mypy, isort, pylint

GitHub: github.com/daltunay/calivision

Decathlon Digital

Data Scientist

October 2022 - Present (1 year 2 months)

Paris, Île-de-France, France

Customer Knowledge

Tech stack : Python, Apache Spark, SQL, AWS Redshift / S3, Databricks, Jupyter, Git / GitHub, Jenkins

CybelAngel

Data Scientist

April 2022 - September 2022 (6 months)

Ville de Paris, Île-de-France, France

End-to-end project : building a supervised binary classifier for sensitive content (tabular and textual data).

Accomplished tasks :

- Data fetching (BigQuery, SQL)
- Data exploration and analysis (pandas, NumPy, seaborn)
- Feature engineering (pandas, featuretools, scikit-learn)
- Statistical tests (Wilcoxon-Mann-Whitney) and measures (Pearson, Spearman, point-biserial correlations)
- NLP, word embedding (Word2Vec, class-TF-IDF)
- Creation and implementation of a custom business metric
- Feature and model implementation (object-oriented programming, NumPy, xgboost, scikit-learn)
- Testing and quality (Pytest, Pylint, GitLab CI)
- Model hyperparameter tuning (Optuna, Hyperopt)
- Model evaluation and error analysis (scikit-learn, Yellowbrick, SHAP)
- Deployment, monitoring (Datadog, Google Data Studio)

Other technologies : Bash, Jupyter (JupyterHub, JupyText), LaTeX, Google Cloud Platform (Storage), Kibana

Télécom SudParis

Research Scientist

February 2022 - April 2022 (3 months)

Ville de Paris, Île-de-France, France

Research project on using reinforcement learning and graph embedding to solve optimisation problems

Technologies used : Python (Torch, NetworkX), Bash, Git, Docker

IMT

Data Analyst

October 2021 - March 2022 (6 months)

Web crawling, data scraping, data analysis on social media content

Technologies used : Python (BeautifulSoup, Selenium), MySQL, Google Cloud Platform (Vision API)

Amazon

Data Scientist

June 2021 - September 2021 (4 months)

Edinburgh, Scotland, United Kingdom

EU WorkForce Staffing team

Data mining, time series forecasting

Technologies used : Python (pandas, NumPy, scikit-learn), SQL, Jupyter, Power BI

Decathlon France

10 months

Sales Associate

September 2020 - May 2021 (9 months)

Saint-Denis, Île-de-France, France

Part-time permanent contract

Sales Associate

August 2020 - August 2020 (1 month)

Saint-Denis, Île-de-France, France

Summer job

IMT Starter

Entrepreneurial Summer Program

June 2020 - July 2020 (2 months)

Évry, Île-de-France, France

SUN HEAT Startup Incubator Program

<https://www.imt-starter.fr/en/>

Appen

Data Annotator

April 2020 - July 2020 (4 months)

Remote

iSoftStone

Data Annotator

March 2020 - May 2020 (3 months)

Remote

lesbonsprofs.com

Mathematics Content Writer

January 2020 - March 2020 (3 months)

France

Creation of mathematics lessons and exercises in LaTeX

Pylones

Sales Associate

December 2019 - February 2020 (3 months)

Ville de Paris, Île-de-France, France

Education

Institut Polytechnique de Paris

Master of Science - MSc, Data Science and Information

Technology · (2021 - 2022)

Université Paris-Saclay

· (2021 - 2022)

Télécom SudParis

Master of Science - MSc, Mathematics and Computer Science · (September 2019 - September 2022)

Lycée Chaptal

Classes préparatoires aux grandes écoles

(CPGE), Mathematics · (2017 - 2019)