

PERSONAL DETAILS



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LANGUAGES

English



French



Spanish



SKILLS

Programming :

- Python, C, C++, Arduino
- Pandas, NumPy / Matplotlib
- PyTorch, scikit-learn, TensorFlow / Keras

Machine Learning :

- Classification & regression
- Transfer learning

Computer Vision:

- preprocessing & augmentation (OpenCV)
- normalization

Applied Math :

- Linear algebra
- Filtering (Kalman)
- Calculus: gradients, Jacobians

Evaluation & Experimentation

Collaboration :

- Teamwork

INTERESTS

Sports

Music

Travel & Exploration

GUILHEM CARMOUZE

AI/ML ENGINEERING STUDENT (UPSSITECH)

PROFILE

Applied ML student (UPSSITECH) building clean, reproducible pipelines for classification, regression, and transfer learning across image and tabular data.

Availability: Apr 15 – Aug 31, 2026.

EDUCATION

UPSSITECH – Paul Sabatier University,

2024 – 2027

Toulouse

Graduation: 06/27

Engineering School in Robotics

CUPGE UPSSITECH – Paul Sabatier University, Toulouse

2022 – 2024

Preparatory Class

PROJECTS

TLSE Racing Project – 2025–2026

- Built and trained perception models in PyTorch (cone/track detection) dataset curation, augmentation, evaluation
- Implemented image processing and control modules using ROS / Python / C++
- Collaborated within a multidisciplinary technical competition team

CIFAR-100 Fine-Tuning – 2025

- Implemented transfer learning with TensorFlow/Keras (MobileNetV2 baseline)
- Designed a modular training pipeline (data, model, train, eval)
- Analyzed performance/parameter trade-offs and preprocessing effects

PROFESSIONAL EXPERIENCE

ALTINET, Tarbes, 2022 – 2024

Administrative Assistant

- Managed employee personnel files
- Entered and audited timesheets (time & attendance)
- Prepared hiring/onboarding documents