PERSONAL DETAILS

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🏠 Montaigu-Vendée, France

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Portfolio: alecbossard.github.io

Driving license: Category B

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
- normalization

Applied Math :

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

Evaluation & Experimentation

Collaboration :

- Teamwork

INTERESTS

Sports

Music

Travel & Exploration

ALEC BOSSARD

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, Toulouse
Engineering School in Robotics

2024 - 2027
Graduation: 06/27

CUPGE UPSSITECH – Paul Sabatier University, Toulouse
Preparatory Class

2022 - 2024

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

Temporary Worker – SODEBO

- Participated in food production processes
- Ensured compliance with hygiene and safety standards
- Worked effectively as part of an industrial team