



ALEC BOSSARD

ROBOTICS ENGINEERING STUDENT AT UPSSITECH

PROFILE

Robotics engineering student at UPSSITECH, passionate about technological innovation and solving complex problems. Skilled in design, programming, and teamwork. Rigorous, autonomous, and highly motivated

PERSONAL DETAILS



+33 6 02 12 90 66



alecbossard@gmail.com



Montaigu-Vendée, France

[linkedin.com/in/alec-bossard](https://www.linkedin.com/in/alec-bossard)

Portfolio: alecbossard.github.io

Driving license: Category B

LANGUAGES

English ☒
French ☒
Spanish ☐

SKILLS

Robotics and Automation:

- ROS
- Mobile robotics / autonomous navigation
- Robotic modeling

Programming :

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

Transversal :

- Project management
- Teamwork

INTERESTS

Sports

Music

Travel & Exploration

EDUCATION

UPSSITECH – Paul Sabatier University, Toulouse 2024 - 2027
Engineering School in Robotics

CUPSSITECH – 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

Temporary Worker – SODEBO

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