

# Antoine Duteyrat

📍 Saint-Étienne    ✉ aduteyrat@gmail.com    ☎ 06 30 33 98 18    🌐 antoinedenovembre.com    in LinkedIn  
🔗 antoinedenovembre

## Experience

---

### Safety Tech

Brignais, France

*Image processing and engineering apprentice*

*Sept 2022 – Now*

- Integrated classical image processing and an AI model to track the end of a truck trailer in real-time using **Cuda** and **OpenCV**
- Worked with embedded systems through serial and ssh, flashing and cross-compiling C++ written embedded software via **Docker** and **CMake**
- Implemented several **Gitlab CI/CD** pipelines for automated building, testing and deployment

### NTNU Gjøvik

Gjøvik, Norway

*Image processing for detection and tracking intern*

*Aug 2024 – Oct 2024*

- Trained and evaluated **EfficientDet** and **YOLOv8** for animal detection in pens via **Ultralytics** and **TensorFlow**
- Implemented a **Barlow Twins** optimization algorithm for self-supervised learning on the EfficientDet model

## Education

---

### Télécom Saint-Étienne

Saint-Étienne, France

*Master's degree in Image Processing and Photonics*

*Sept 2022 – Now*

- **Relevant coursework:** Deep Learning (in Python), Image Processing, 3D Imagery
- **Relevant information:** Apprenticeship with Safety Tech in Brignais, France

### Université du Québec à Chicoutimi

Chicoutimi, Canada

*Exchange semester in Computer Science*

*Jan 2022 – May 2022*

- **Relevant coursework:** Calculus II, Data Mining (in Python)

### Université Clermont Auvergne

Clermont-Ferrand, France

*Associate's degree in Computer Science*

*Sept 2020 – July 2022*

- **Relevant coursework:** OOP, C++ programming, Advanced algorithms

## Skills and Technologies

---

**Languages:** French (native), English (C1, TOEIC 990/990)

**Technical Skills:** C, C++, Computer Networking, Machine and Deep Learning in Python (Ultralytics, TensorFlow), Web programming, Image processing, SCRUM project management

**Interests:** Technology Trends, Video Games, Travelling, Cinema