



## CONTACT

Lyon, France  
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 [Ewan Helias](#)  
 Driver's licence

## PROFESSIONAL SKILLS

Project management, bibliographic research, reports writing, statistical analysis

### Laboratory:

Skills in lab work for **biology** (PCR, cellular culture, FACS, microscopy) and **chemistry** (analytical chemistry, extraction, chemical synthesis)

### IT:

Programming language: **Python**, SQL, R, Matlab, C++, Java, HTML, CSS, PHP

Office: Microsoft Office pack, Canva

### Soft skills:

Autonomy, Adaptability, Teamwork

## LANGUAGES

Native language  
 Fluent, TOEIC score: 950/990  
 Conversational  
 Notion Notion

## INTERESTS

- **Sports:** Climbing, Volleyball
- **Music:** Piano, Saxophone
- **International:** Hong Kong, USA, Canada, China, South Korea, Germany
- **Culture:** Cinema, Museum, Video games

References will be supplied on request

# EWAN HELIAS

Third-year student in a Master's degree in Bioengineering  
looking for a 6-month internship starting February 2025

## PROFESSIONAL EXPERIENCES



**4-month internship, YooLab, IBS**  
(Sungkyunkwan University)

May-August 2024  
Seoul, South Korea

**Animal mental processes in decision-making**

- Multi-animal **pose-tracking** using AI assisted labelling tools (SLEAP-Anipose)
- Developing multiple **deep-learning** models: RNN, CNN, MLP, TCN, Transformers for mice's feces detection



**1-month internship, INSERM, CRNL**  
(Lyon Neuroscience Research Center)

July-August 2024  
Lyon, France

**Computation, Cognition and Neurophysiology CPHY**

- **Decoding and analyzing** MEG neural signals with **Python** (MNE, Pandas)
- **Teamwork** with meetings and project monitoring



**Observational internship, INSERM, UMR 1033**  
(National Institute of Health and Medical Research)

June 2018  
Lyon, France

**Bone, Cancer and Metastases**

- Cellular cultures, **production and observation**
- **Management** of the animal facility



**Seasonal jobs, Steep Plastique**

July 2022&2023  
Beynost, France

**Automotive equipment manufacturer**

- **Teamwork** as a sorting/repackaging agent
- Demonstrated **adaptability and autonomy** in various roles as a press operator

## EDUCATION



**Polytech Nice Sophia Antipolis**  
Graduate school of engineering

2023-2026  
Nice, France

- Second year of a **Master's degree** in Bioengineering, specialized in **Bioinformatics and Modeling for Biology**
- Neurobiology, Algorithmic, Simulation, Software engineering, Biostatistics, Mathematics, Symbolic AI



**City University of Hong Kong**  
Graduate academic exchange program

1st semester 2024  
Hong Kong

- **Biomedical Engineering and Science**
- Engineering computing, Pharmacology, Biomedical Systems and Controls



**Polytech Clermont-Ferrand**  
Undergraduate school of engineering

2021-2023  
Clermont-Ferrand, France

- **Two-year intensive program** preparing for entry to Polytech engineering schools, obtained a **Bachelor's degree in Science**
- Biochemistry, Microbiology, Molecular Biology, Programming

2021: Baccalauréat "S" (Maths and Physics), equivalent to US High School Diploma or British A-level, Mention: **summa cum laude**