



# EWAN HELIAS

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

## CONTACT

- Lyon, France
- ewan.helias@gmail.com
- +33 (0)6.87.72.86.33
- [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

## 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 COPHY

- 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

2023-2026  
Nice, France

Graduate school of engineering

- 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

1st semester 2024  
Hong Kong

Graduate academic exchange program

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



### Polytech Clermont-Ferrand

2021-2023  
Clermont-Ferrand, France

Undergraduate school of engineering

- 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