Jade Therras

Neuro-X master student at EPFL
French, English

Skills

- **programming language** Kotlin, C++, C#, python, matlab, godot, Julia, R, javascript, HTML, latex.
  Error management TCLAP, test program Gtest and documentation with Doxygen
- **programming software** Android studio, Jupyter notebook, Geany, Qt creator, spyder, visual studio, Unity (also in 3D and for VR setup), Godot, React
- **desktop software** Overleaf, Word office, Excel, LibreOffice
- **art and graphic software** Illustrator, clip studio paint, Canvas. Can work with a graphics tablet (Wacom pro)
- **modelisation and simulation** Solidworks

Formation

09/2022 - 08/2025

Master in Neuro-X

EPFL

Qui suis-je ?

Currently in Master of Neuro-X at EPFL, after a life sciences bachelor's degree, I'm determined, have a lot of energy and I'm always in quest of new challenges and projects. I love to share and teach at least as much as I love to learn. My values? Curiosity, polyvalence and courage.

Internship

Internship at Össur in R&D, biomechanical solutions	**09/2022-02/2023**

össur, Iceland, Reykjavik

I spent 5 months working at Össur, learning about prosthesis development. In particular, I worked on a mechanical knee, a friction test system, and a modular pyramid for feet. (Solidworks, production in carbon and aluminium and Python programmation)

work experiences

**Student-assistant	Game Design and Prototyping**	**02/2024 - 07/2024**

SV Department
EPFL

In this course, students are exploring the process of game design, from the design value to playtesting and prototyping. My role is to conduct help session, be the first contact of the student and help the professor in the course organization

**Student-assistant	Analyse II**	**02/2021 - 07/2021**

SV Department
EPFL

A student assistant helps students understand the course and practice exercises. We work with the teacher to organise exercise sessions and online forums.

Particular professor	**2017-2018**

Lyon

Private lessons for brevet and bac students, in mathematics, physics and life sciences.

Semester and MAKE project

Assistive technology challenge - Team member	**02/2024 - 08/2024**

Selected to participate to the EuroTeQ hackathon
Make project
GitHub of the project

Helpie, an app to help mental impaired people to travel alone This project is proposed in collaboration with SBB. The goal is to develop an app that helps mental impaired people to travel serenely alone. SBB inclusive app team will provide support to get and provide simplified information from their app. The challenger will specify his needs to personalise the solution.

10/2019 - 08/2022

bachelor in Life sciences engenieuring

EPFL

Final Bachelor grade: 5.33 / 6

10/2016 - 08/2019

SVT scientific Baccalaureate - mathematics option

Lycée and collège chevreuil Saint-Didier

graduate (18/20)

Contact

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in jade Therras

⑂ github.com/jadetherras

IGEM - EPFL 2023 team 48C - SV Team member, Game designer   **02/2023 - 11/2023**
International synthetic biology competition
wiki of the project

We are developing a probiotic, using E.coli, to catch a dangerous heavy metal, cadmium, in the gut to avoid bioaccumulation and contamination. We also created a video game to discover synthetic biology and set up an IGEM-like competition for gymnasium students.

Bachelor project - Laboratory of Topology and Neurosciences - EPFL   **02/2022 - 07/2022**
Laboratory webpage

Intership in the laboratory of topology and neurosciences directed by Prof. Kathryn Hess Bellwald, supervised by Kelly Maggs. I worked on a study of topological data analysis methods for single-cell RNA velocity.

Associations & personal project

Class representative - SV EPFL   **09/2021 - 09/2022**
SV Department EPFL

Class representative for the 3-year SV students, in addition, I worked with all the SV representative team to set up the "Course d'étude SV" event

Communication manager at SV industry   **09/2020 - 08/2021**
SV industry - EPFL association

SV industry aims to link the industry world and EPFL SV students. I promoted the association activity by creating and managing the Instagram page, e-mail and other social networks. I established a graphical identity with posters and logos and designed the comity hoodies.

Team leader recovery ECHO, Space Race project   **09/2020 - 08/2021**
EPFL rocket team - EPFL association

Goal: construct an engineer rocket in one year, with a novice bachelor students team. I managed the recovery team, including parachute, electronic and mechanic ejection systems. I worked on the parachute's plan and production.

5th September 2024   _____
                              Jade Therras