

# SAMMY RASAMIMANANA

Fourth-year student at École Polytechnique (X-Télécom Paris)

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## EXPERIENCE

Intern in the Research & Development team

**Mocaplab**

April 2022 - August 2022 Aubervilliers, France

Research, design and improvement of tools in C++ and in Python for facial retargeting in motion capture

Integration in *Motion Builder* and *Maya*

Project Chief Assistant

**Thomson Broadcast**

June 2021 - August 2021 Colombes, France

Establishment of a technical and price comparison by type of application while drafting of technical specifications

Reflection on the implementation of an information system

Web developer

**French Water Partnership**

February 2021 - May 2021 Paris, France

Developed a website-tool that helps quantifying the impacts of projects on Sustainable Development Goals (SDG), for the FWP, a non-profit association which shares its expertise at international debates.

Oral examiner

**Lycée Louis-le-Grand**

Since September 2020 Paris, France

Training first-year students in a university-level preparation in Mathematics to prepare for highly competitive nationwide exam

Polytechnician Assistant

**Lycée Edmond Rostand**

September 2019 - March 2020 Saint-Ouen-l'Aumône, France

Conducted a meeting with alumni that gathered 130 participants, as well as an Open House Day

Provided academic support in Mathematics and Physics in secondary school classes and managed to inspire scientific vocation among students

## IT SKILLS

MS Office Photoshop Blender Premiere Pro Latex  
After Effects Python Java C# C++ HTML PHP  
CSS Javascript React Git Qt TensorFlow

## LANGUAGES

French (Native)  
English (TOEFL - C1)  
Chinese  
Japanese  
Malagasy



## FORMATION

Master of science in Engineering

**Télécom Paris - École Polytechnique**

Since September 2022

Major in Computer Graphics & Interactive Systems, to be awarded in March 2024

Master of science in Engineering

**École Polytechnique**

September 2019 - August 2023

Master in Computer Vision, Computer Graphics and Machine Learning

One of France's leading schools of science and engineering

Outstanding Investment (OI) distinction

Classe Préparatoire aux Grandes Écoles (CPGE)

**Lycée Louis-le-Grand**

September 2017 - June 2019

A two-year intensive university-level preparation in Mathematics, Physics and Computer Science to prepare for highly competitive nationwide exam

Science A-levels with distinctions

**Lycée Louis-le-Grand**

September 2014 - June 2017

Majoring in Mathematics and Physics

Student of the Oriental class which followed extra Mathematics courses in Chinese

## PERSONAL INTERESTS



**Karaté**

2nd Dan Black Belt • 8 years of practice that stimulated my competition spirit as well as my discipline • Bronze Medal at the Combine French cup (2014)



**Drawing & Mangas**



**2D/3D Animation**

Movie making • Responsible for 3D and VFX in the Journal Télévisé de l'X (JTX)



**Music**

Learnt piano by myself for 5 years, developed my sense of hard-working



**Playing various kind of video games**

From cooperation games that improved my communication to solo games that reinforced my perseverance