

SAMMY RASAMIMANANA

Fourth-year student at Ecole Polytechnique (X-Telecom Paris)

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22 avenue Maurice Thorez, 94200, Ivry-sur-Seine

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
Malgasy



FORMATION

Master of science in Engineering

Telecom Paris - Ecole Polytechnique

Since September 2022

Major in Computer Graphics & Interactive Systems

Engineer's degree

École Polytechnique

September 2019 - March 2023

Master in Computer Vision, Computer Graphics and Machine Learning, to be awarded in 2023

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

Lycée Louis-le-Grand

September 2014 - June 2017

Science A-levels with distinctions

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