SAMMY RASAMIMANANA

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

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in sammy-rasamimanana-62aa78202   📍 Ivry-sur-Seine (94200, France)

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

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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
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

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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

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Playing various kind of video games
From cooperation games that improved my communication to solo games that reinforced my perseverance