



## EDUCATION

### TÉLÉCOM PARIS - INSTITUTE POLYTECHNIQUE OF PARIS

2022-PRESENT

Msc in Engineering

- Interaction, Graphic and Design. Data Sciences. 3D and interactive systems.
- Programming, Machine Learning Statistics, Optimization, Interactive 3D application development.
- Equivalent to an Ivy League school.

### PARIS SCIENCES ET LETTRES - CYCLE PLURIDISCIPLINAIRE D'ETUDES SUPERIEURES

2019-2022

Computer Science bachelor's degree

- Computer Sciences, Machine Learning, symbolic AI, Statistics, RDF.
- ENS Ulm, Institute of Mines, Paris Dauphine.

## EXPERIENCES

### 3D DEVELOPMENT AND ROBOTICS INTERNSHIP

2023

Software Development at Learning Robots

- Developed a 3D simulator on Unity for AI's powered Learning Robots equipment.
- Responsible for socket communication and physics engine regulations.

### PYTHON MOOC DEVELOPMENT

2022

Assistant at France IOI

- Beta Tester for introductory web-based Python MOOC.
- Responsible for creating exercises, audio, and videos with France IOI's Codecast tool.
- Responsible for finding bugs and errors in development.

### MACHINE LEARNING RESEARCH INTERNSHIP

2022

Supervised by Raphael Ettegui at MILES

- Study of robust defense guarantee against adversarial attacks in neural networks.
- Implemented neural networks with Pytorch and reviewed state of the art papers.
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### FIRST RESEARCH INTERNSHIP

2021

Supervised by Nicolas Maudet at LIP6

- Implementation of attribution methods (python) and study of core-compatibility in housing markets.
- Included oral defense and written dissertation.

## PROJECTS

### VIDEO GAME DEVELOPMENT

- Orthographic View Godot 3D Game.
- Low Poly 3D Unity Game.
- Ludum Dare Jam 2D Unity Game.

### WEB BASED PERSONAL PORTFOLIO

- HTML, CSS, and JavaScript based Portfolio.
- Blender modeling and rendering.
- Implemented THREE.js interactive application.

### 3D INTERACTIVE PHYSIC BASED SIMULATION AND OPENGL

- SPH fluid real-time physics simulation.
- 3D Rigid Body physics simulation
- OpenGL Rendering and Mesh Subdivision Project.

## LANGUAGES

- English - 112 TOEFL score
- French - Native
- Spanish - Native