

# Matthieu Olekhnovitch

Student at Ecole Polytechnique

## EDUCATION

### ECOLE POLYTECHNIQUE

Palaiseau, France

2019 - Present

#### 2023 - Present

**Master of advanced engineering** - Majoring in Computer Science

Coursework include : Foundations of Machine learning, Machine and Deep Learning, Database Management Systems, Data Visualization

#### 2019 - 2023

**Bachelor of Science / Classes préparatoires aux grandes écoles**

Majoring in Advanced Engineering and Science

Coursework include : Mathematics, Physics, Chemistry, Computer Science, Economics

**GPA : 3.73/4**

### LYCEE NOTRE DAME DE BOULOGNE

Boulogne-Billancourt, France

2016 - 2019

**Baccalauréat, High School Diploma with High Honours**

Coursework include : Mathematics, Physics, Chemistry

## WORK EXPERIENCE

### WORLDLINE

Lyon, France

Jun. 2023 - Sep. 2023

#### AI Researcher

Spearheaded research on AI-driven code reviewing for proactive issue forecasting in large-scale programming projects. Devised and executed comprehensive analysis processes to optimize project outcomes and data retrieval.

**Reference :** Marie-Alice Blete

### BRIGADE DE SAPEURS-POMPIERS DE PARIS

Paris, France

Oct. 2021 - Apr. 2022

#### Battalion Chief

Commanded emergency operations as a French army officer, leading teams of up to 15 personnel. Thrived in high-pressure environments, managing and aiding victims during critical emergencies.

## ACADEMIC PROJECTS

### IPPMED HACKATHON - BREAST CANCER DETECTION

**2023-2024** - Team research project on computer vision. Developed and trained deep learning models for tumor cells detection. Computation realised on Telecom Paris supercomputer (3.5Pflops/s)

### CRAZYFLY - DRONE SWARM ALGORITHMICS

**2022-2023** - Developed smart drone algorithms in a unknown environment to follow a specified target.

**Reference :** Eric Goubault



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## LANGUAGES

French - Native

English - C1 or above

German - B2

Russian - A2

## SKILLS

### Computer skills :

- Python
- Java
- JavaScript
- HTML/CSS
- PHP
- SQL
- C/C++

## REWARDS

### Excellence Scholarship

2019 - 2021 - Delivered by the Ministry of Education

### International Chemistry Olympiads

2020 - Ranked 8th in France

### France defence ministry bronze medal

2022 - Delivered by the french army ministry by way of exception

### Outstanding investment award

2023 - Delivered by Ecole Polytechnique for the investment in the associative life