



## Pierre POTEL

Engineering student at  
ENSTA Paris

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## Assets

- Creative
- Adaptable
- Passionate
- Autonomous

## Spoken languages

French

English

Spanish

Japanese

## Certification

- TOEIC Listening and Reading  
980/990

Looking for a 6 months internship in Computer Science  
starting in September.

### Education

- 2019-Now ENSTA Paris student (Top French engineering school)  
Master's Degree in Computer Science.
- 2017-2019 Undergraduate studies at Saint-Louis High School, Paris  
Two years of intensive training in Mathematics, Physics, Mechanical Engineering, Programming and Chemistry to prepare for nationwide competitive entry exams to engineering schools.
- 2014-2017 High school Diploma in Science with Honours,  
At Van Dongen High School, located in the suburbs of Paris.

### Work Experience

- 2021 Research Intern, University of Oslo RITMO lab  
3 months research internship developing and implementing rhythm detection and generation on a swarm of musical robots. I designed a robot simulator in Unity to test my algorithms and these algorithms will then be implemented on physical hardware.
- 2020-2021 Tutor, Alveus  
Tutoring in science for groups of 3 to 4 students (in middle school or high school) and personal coaching during 2 hour sessions.  
( ≈200h given in total)
- July 2017 Summer Job, HSBC  
Summer internship in HSBC's Association division where I completed several administrative tasks.

### Projects

- 2020-2021 Drone display  
Team project : Our main goal is to create a light show using a swarm of drones equipped with LEDs displaying 3d shapes in the night sky. I am the project manager for this team of 8 students and work on trajectory planning and control of the drones.
- 2020-2021 Fractal generator based on genetic programming  
Designed a software in Python which helps artists create beautiful Julia fractals taking the artists own preferences into account.
- 2018-2019 Stabilizing walking : tail pendulum  
Scientific project consisting of stabilizing a biped robot's walk using the inertia of a cybernetic tail.

### Skills

Computer languages

Python, C++, C, C, Java, Arduino, Matlab, SQL.

Softwares

SolidWorks, Microsoft Office, Photoshop, Premiere Pro.

### Miscellaneous

Sport : volleyball, badminton

Hobbies : photo and video editing, mix, DIY, videogames

Student activities : (2019-2021) DJ at SONO, ENSTA's student association of DJs.