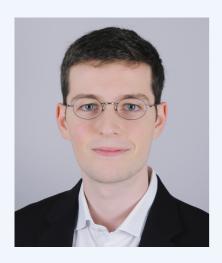
# François Homps



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## **LANGUAGES**

French native

**English** bilingual

Spanish intermediate

Japanese rudimentary

# IT SKILLS

#### **GNU / Linux**

 4 years of experience in server administration

### **Programming**

- 7 years of C++ practice
- Large-scale C# and Python projects
- Experience with Pytorch, Unity, OpenGL
- Regular use of debuggers, Git, GitHub

### Web dev / design

- o Built my own website
- This resume was made in HTML / CSS

## **USEFUL HOBBIES**

## Cooking

Managed the kitchen for 30+ people meals

### RPG Game Master, Drama

- o 8 years of drama club
- Good communicator

# Engineer

## ACADEMIC BACKGROUND

2019 - 2021 Space Robotics Group - Keio University - Japan Double degree program: Master of Science in Engineering

o Classes focused on low-abstraction computer science and optimization

2017 - 2021 École Centrale de Lyon - France Multidisciplinary engineering degree at a top French Grande École

2015 - 2017 Lycée Janson de Sailly - France

CPGE: Highly selective and intensive **prep school** for the national exams of French Grande Écoles

2015 Sainte-Croix de Neuilly High School - France Baccalaureate in science with honors

## WORK EXPERIENCE AND RESPONSIBILITIES

### **Computer Science**

2019 - 2021

Master's project: ADViSE, Al-based software to estimate the landing viability of Martian terrain from aerial pictures in real time

2019 Presented at the IEEE VR 2020 international conference Research internship: lead programmer and co-author of ReViVD, a Unity-based virtual reality visualizer of 3D trajectories with a focus on immersive interactions

### 2017 - 2018

Member of ÉCLAIR, Centrale Lyon's computer science association

- System administrator of multiple physical servers, delivering an Internet connection and accompanying services to 400+ students
- Technical advisor in the deployment of the IT projects of other student associations

### 2017 - current

System administrator of multiple personal Debian servers, maintained for a community of friends and family

#### Robotics

2018

Project manager and lead programmer of Centrale Lyon's 14-student team for the National Robotics Cup

2016 - 2017

CPGE study project: hacked a roomba into an autonomous cartographer robot

### **Industrial Work**

2018

One-month-long unskilled labor internship at the Cordon Electronics factory in Dreux, France