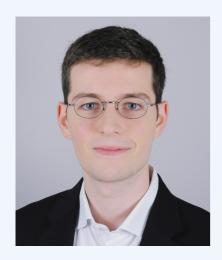
# François Homps



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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**

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

### Web dev / design

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

# **USEFUL HOBBIES**

#### Cooking

 Cooked 30+ people meals, managing the kitchen

#### RPG Game Master, Drama

- o 8 years of drama club
- Experienced narrator

# Engineering student

## ACADEMIC BACKGROUND

2019 - current Space Robotics Group - Keio University - Japan Double degree program: **Master of Science in Engineering** under the supervision of Dr. Genya Ishigami

- Master's project: ADViSE, Al-based software to estimate the landing viability of Martian terrain from aerial pictures in real time
- Accompanying classes focused on low-abstraction computer science and optimization

2017 - 2019 École Centrale de Lyon - France

Studies in general engineering at a French Grande École

o Classes covered a broad range of multidisciplinary topics

2015 - 2017 Lycée Janson de Sailly - France

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

o 2-year study project: hacked a roomba into an autonomous cartographer robot

2015 Sainte-Croix de Neuilly High School - France

Baccalaureate in science with honors

# WORK EXPERIENCE AND RESPONSIBILITIES

## **Computer Science**

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
- Head of ÉCLAIR's hardware deployment and maintenance branch
- Carried out the deployment and continuation of a service of computer rentals for the student body

## 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 team for the National Robotics Cup

#### **Industrial Work**

2018

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