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, SFML
○ Regular use of debuggers, git, GitHub

Web dev / design
○ 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
○ 8 years of drama club
○ Experienced speaker

Engineering student

ACADEMIC BACKGROUND

2019 - current   Space Robotics Group - Keio University - Japan
Master's of Science in Engineering (double degree program) under the supervision of Dr. Genya Ishigami
○ Master's project: ADViSE, AI-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   Ecole Centrale de Lyon - France
Studies in general engineering
○ Classes covering a broad range of multidisciplinary topics

2015 - 2017   Lycée Janson de Sailly - France
Highly selective prep school for the national exams of French engineering schools ("CPGE")
○ 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
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 ECLAIR, Centrale Lyon's computer science association
○ System administrator of multiple physical servers, delivering an Internet connection and accompanying services to 400+ students
○ Head of ECLAIR'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