

# Titouan Renard,

Master student in Robotics with a minor in Data Science

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📍 Lausanne, Switzerland

I am student at EPFL currently pursuing a Master of Sciences in Robotics with a minor in Data Science. I am interested in control theory, machine learning and their applications to robotic systems. I also have some experience in student associations and am proficient in French and English.

## Education

Ongoing **Master in Robotics with a Minor in Data Science**, Lausanne, Switzerland 2020-Present  
EPFL, STI and IC faculties

**Bachelor in Microengineering**, Lausanne, Switzerland 2020  
EPFL, STI faculty

**Bilingual Maturité**, Neuchâtel, Switzerland 2016  
French-English bilingual high-school, Lycée Denis de Rougemont, Physics and Applied Math

## Experience

**Student-Assistant at EPFL**, for the courses "Physique Générale 1" (Newtonian Mechanics), "Microinformatique" (basics of embedded systems programming for Microengineering students) and Material Sciences Practicals 2018-Present

**Responsable Politique**, member of the direction comity of Unipoly (student's association for sustainability at EPFL), responsible for interactions with stakeholders and EPFL's direction on matters of sustainability on campus. 2020-2021  
Public relations experience, some experience with media and press releases.

**Responsible of Events for the 2020 sustainability week on EPFL campus**, Unipoly, 2020  
Management and coordination of about 30 events on EPFL and UNIL's campuses.

**Summer Internship**, Biorobotics Lab EPFL, at the Biorobotics Laboratory at EPFL, implementation of a simple vision-based localization system using C++ and OpenCV. 2018

**European Youth Parliament**, Switzerland 2015-2016  
English language public speaking experience.

## Skills

**Programming**, in C, C++, Javascript, Matlab, Python and Scala

**Math and Applied Math**, Probabilities, Linear Algebra, Calculus, Dynamic System Theory and Control Theory, Signal Processing, Algorithmic Design and Analysis

**Languages**, French (native proficiency), English (full proficiency), German (high-school level, B2)

**Soft Skills**, public speaking, writing and team management learned in the context student associations

## Relevant Courses

Course	Grade
Model Predictive Control (ME-425)	5.75/6
Algorithms (CS-250)	5.5/6
Advanced Algorithms (CS-450)	6/6
Artificial Neural Networks (CS-456)	5.75/6
Aerial Robotics (MICRO-502)	5/6
Computer Vision (CS-442)	5.5/6
Distributed Intelligent Systems (ENG-466)	5/6