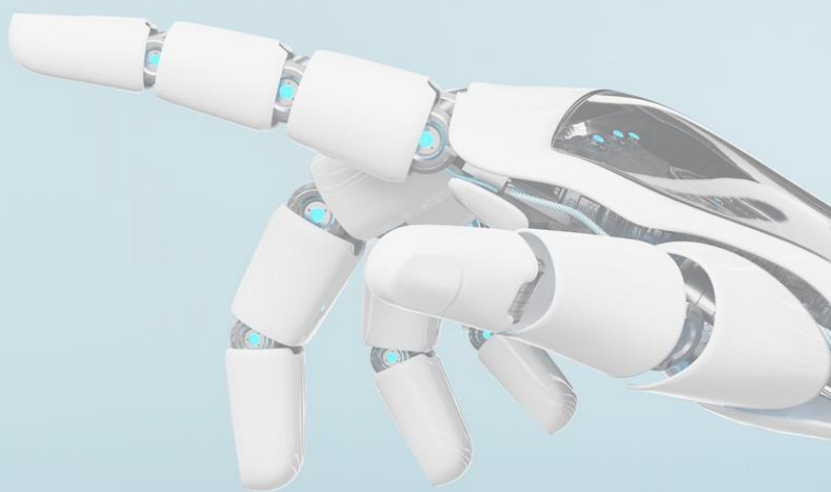




Lilian Laporte



▼ Education

- Since 2022 **Master's degree in Robotics, Systems & Controls**
ETHZ - Zürich, Switzerland
Relevant courses: Autonomous Mobile Robots (6/6), Robot Dynamics (5.25/6), Vision Algorithms for Mobile Robotics (5/6)
Semester Thesis: Advancing Microbotics: Autonomous Ultrasound-Driven Manipulation with Reinforcement Learning Enhanced by Real-Time ultrasound Imaging Feedback - Acoustic Robotics Systems Lab - ETHZ
- 2019 2022 **Bachelor in Microtechnics**
EPFL - Lausanne, Switzerland
Diploma: Bachelor of Science BSc in Microtechnics (GPA: 5.05/6)
- 2021 2022 **Exchange Program - Electrical Engineering, Mathematics and Computer Science**
TUD - Delft, Netherlands
- 2012 2019 **High school and Secondary school**
Lycée St. François de Sales - Ville-la-Grand, France
(#1 in France, *Le Monde*, 2015)
Diploma: French Baccalaureate S (mathematical speciality), *with distinction*

▼ Experience

- Since Sept 2022 **Delivery man and Sorter - Notime - Zürich (15h/week)**
Managing the efficient sorting and timely delivery of packages to clients throughout the city of Zurich
- Since Oct 2022 **ARC Robotics Engineer - ETHZ - Zürich, Switzerland (8h/week)**
Helping the team to improve an automatic waste sorting system by tracking wastes with a new computer vision pipeline
- August 2022 **Machinist - Rolex, Bracelet Dpt - Plan-les-Ouates, Switzerland (Full-time)**
In charge of the control of a 3-axis CNC manufacturing stands of the bracelet, and preparation of the latter for polishing
- 2021 2022 **Lab assistant - AIR Lab - Delft, Netherlands (5h/week)**
Helping a PhD student to implement a code for the control of a robot designed for the retail supply chain, from warehouses and stores to customers
- August 2021 **Furniture manager - Prodemco - Lausanne, Switzerland (Full-time)**
Management and handling of real estate inventory on the entire EPFL campus

CONTACT INFORMATION

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Zürich, Switzerland
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Email: llaporte@ethz.ch
Nationality: French
Birth date: 08/07/2001
Driving License

HARD SKILLS

- Programming:
 - Python: OpenCV, cvxpy, YOLO, gymnasium, dg-commons
 - C#/C++: GTKmm
 - Matlab: yalmip, Simulink, OpenCV
 - ROS Noetic
 - Docker
 - Assembler
 - Git
- CAD/Simulation:
 - Catia
 - Solidworks
 - Blender
 - Abaqus
- Office:
 - Word
 - Excel
 - Powerpoint
 - LaTeX

SOFT SKILLS

- Team communication
- Problem-solving
- Project management
- Creativity
- Adaptability

- 2020 **Xplore Robotics Engineer - EPFL - Lausanne, Switzerland (8h/week)**
 2021 Responsible of designing and manufacturing of the forearm for a rover
Award: #3 at European Rover Challenge (ERC) for our first year of creation
- July **Electrical Service Assistant - Rolex, Energy Dpt - Plan-les-Ouates, Switzerland (Full-time)**
 2019 Helping the energy sector while treating career data and assisting electricians in their core activities
- August **Technical assistant - Municipal administration - Peillonex, France (Full-time)**
 2017 Maintenance of the city's flora using specific tools with a gardening expert
- Nov **Internship - Somfy, R&D Dpt - Cluses, France (full-time)**
 2015 Discovery of the different engineering sectors in an international firm

▼ Reference

Raphaël Marwalder - Production Manager - Rolex
 Phone number: +41799047757

LANGUAGES

- **French** : Native language
- **English** : Level C1
- **German** : Level B1

INTERESTS

- Downhill skiing
- Climbing
- Trekking
- Fitness
- AI
- Music