

Arthur Bricq

arthur.bricq@epfl.ch · +33 6 95 49 26 83 · arthurbricq.eu

Lausanne, Switzerland



I am a **Robotic Engineering** Student at EPFL with a Bachelor in **Mechanical Engineering**. Machine Learning, Autonomous Robots & Data Science are fields I am passionate about. Since ever I was very curious about programming and all kind of technologies that comes with it. I also have a good background in electronics. In my free time, I love to learn new technologies and do some programming. I also love all kind of outdoor sports, or simply spending time outside.

EXPERIENCE

- **Year Abroad in Canada**
University of British Columbia (UBC) - Vancouver
A year in Vancouver to finish my bachelor.
Aug 2018
- **Mobile App Developer**
I worked for the EPFL's Junior Entreprise to develop a complex mobile app and to advise the association on several other mobile projects. I learned the 3 of the most famous mobile app development framework: Swift, Java for Android & React Native
2017 to Now
- **Teaching Assistant at EPFL**
I was a teacher assistant in the following courses: Physics (3 times), Computer Science, Numerical Analysis & Legged Robotics.
2017 to Now
- **Year Abroad in Brasil**
Sao-Paulo State
Year abroad during high-school, part of a cultural exchange program: charity actions in Brasil while learning Portugues.
Aug 2014

EDUCATION

- **M.S. Robotics, GPA: 5.54/6 (currently)**
Ecole Polytechnique Federale de Lausanne (EPFL)
2021
- **B.S. Mechanical Engineering, GPA: 5.58/6**
Ecole Polytechnique Federale de Lausanne (EPFL)
2018

AWARDS & RECOGNITION

- **Excellency Scholarship, EPFL**
Grant for best master students of EPFL
- **Data-Science course best project** [Project Page]
EPFL course Applied Data Analysis, top 10 Best Projects Awards (out of 138 projects)

SKILLS

- **High-Level Programming**
Python (Data-Science with Pandas, Machine Learning, Deep Learning & all purposes), Swift (iOS apps), Javascript (React, React-Native), Matlab (Machine Learning), Java (desktop apps, Android), bash.
- **Low-Level Programming & Electronics**
C, C++, PCB Design & Manufacturing with Kicad, Microcontroller programming, Motor Control.
- **Linux**
Linux Proficiency, ROS2 (Python). Worked a lot with Jetson Nano or with Raspberry Pi Ecosystems.
- **Mechanical Engineering**
Catia, SolidWorks
- **Languages**
Fluent: French, English, Portugues ; Conversation level: Italian.

A FEW PROJECTS

- **Robottle** [Youtube Link] [Github Repo]
In a team of 3, we designed from scratch an autonomous robot able to localise itself & travel to detect and pick plastic bottles in an arena. I was in charge of all the software of the robot.
C++, Python, Bash
- **Roots, China Hardware Innovation Sensor** [Github Repo]
1.5 year long program, in a team of 5 skilled students (engineering and design), we designed a smart sensor for connected home and had the experience of an academic start-up while being introduced with the Chinese production supply chain.

HOBBIES & INTERESTS

- All kinds of outdoor sports
- Yoga
- Open-Source