



Matthieu Rimlinger – Microengineering Student

✉ matthieu.rimlinger@epfl.ch

🌐 <https://mrimlinger.ch>

🏠 Hong Kong, Kowloon, Clear Water Bay, HKUST, UG Hall VI, Room 307

Education

2016 - exp. 2019

Swiss Federal Institute of Technology in Lausanne (**EPFL**, Switzerland)

- Bachelor in **Microengineering**, grade average **5.29/6**

2018 - exp. 2019

Exchange at Hong Kong University of Science and Technology (**HKUST**, China)

2016

French scientific **Baccalaureate** with grade average **19.34/20**

Relevant courses

Computer Science

C programming, logic systems, microcontrollers, **information and computation**

Mathematics

Linear algebra, analysis, numerical analysis, **probabilities and statistics**, **control process**

Others

Electronics, mechanical design, materials, physics, **financial engineering**

Projects

Computer science

- Digital door lock **real-time embedded system** coded in assembly, with real model and use of multiple peripheral devices (2018)
- Reproduction of a Casio digital multifunction watch (alarm, clock watch) using only **logic gates** in Logisim (2017)
- Simulation of anthills competing for food coded in **C** and with OpenGL graphic interface

Mechanical

- Design of an optical field selector using **flexure mechanism** (2018)
- Design of a mechanical trash compactor (2017)
- **Motorized skateboard** controlled by user's phone tilt (2016)

Work experience

2015, 2016, 2017

Summer internships at **Hoffman-La Roche** (pharmaceutical) (Basel, Switzerland)

- Improved accuracy on Excel **databases** for regulatory affairs department.
- Improved design and content of **presentations** and **reports** on PowerPoint.
- Automation of repetitive tasks (calendar printing) with a **bot program**, presented and implemented for the secretary team in Basel.

Skills

Programming

Python, C, Matlab and **assembly**. Use of **Git** and **GitHub**.

Presenting

Writing constructed and designed reports/presentations. At ease for **oral** presentations.

Languages

French

Native

English

Fluent and **proficient** - **CAE** certificate level **C1** (2015)

German

Intermediate - Goethe Institute certificate level **B2** (2014)

Volunteering

2017 - 2018

Member of the **politics team** at EPFL's student representative association (AGEPoly)

- Writing of position statements about school regulation and newsletters
- Worked on a survey addressing the lack of space in lecture theatres

2018

Worked on a farm in **Japan** in exchange for accommodation (**wwooxing**, see my blog)

Achievements

2018

Ran **20 km** of Lausanne in 1h42min, currently training for Singapore's **marathon**

2017

Ran **10 km** of Lausanne in 48min

2015

First prize "Rallye Math" a regional French math concourse