Matthieu Rimlinger – Microengineering Student

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🏠 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 **5.30/6**
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 eng.	C programming, logic systems, microcontrollers, information/computation/communication
Mathematics	Linear algebra, analysis I-IV, numerical analysis, probabilities and statistics, control process
Others	Electronics, electrotechnics, materials, physics I-IV, photonics and optical communication

Projects

Computer eng.
- 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 using OpenGL graphics (2017)

Mechanical eng.
- 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 company) (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 newsletters and position statements about school policies
- Worked on a survey addressing the lack of space in lecture theatres

2018 Worked on a farm in **Japan** in exchange for accommodation (wwoofing)

Achievements

2018	Ran **Singapore marathon** in 5h35min
2018	Ran **20 km** of Lausanne in 1h42min
2015	**First prize** "Rallye Math" a regional French math concourse