



Robin Mamié

CS EPFL-engineer

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About me

I am a computer science engineer. My main interests lie in software systems/development, data analytics and machine learning. I put a strong emphasis on ethics and open source. I am also involved in Olympic wrestling as an international referee, the head of referee for the French-speaking part of Switzerland, and the official translator of the Swiss Wrestling Federation.

Languages

Mother tongue — French
2nd language — German (C1)
Bilingual *maturité* & translations
3rd language — English (C2)
Cambridge English Level 3
Certification in ESOL International (Advanced) – Grade A (June 2015)

IT

Languages:
Java, Python, Go, Scala, C, C++, Javascript, SQL, Assembly, Chisel, VHDL, and also LaTeX, HTML, CSS.
Extended knowledge with Linux; I use the Arch Linux distribution.

Practical Experience

- from 2022 **Software Engineer** Federal Supreme Court of Switzerland
Working on the digitization of the Court's document using ML (BERT) and software solutions such as Eclipse RCP (Java).
- from 2018 **Software maintenance** Municipality of Courtepin
Database software maintenance for the municipal library.
- from 2017 **Translator, Interpreter** Swiss Wrestling Federation (SWFE)
Translation services in and between: French, German, and English.
- from 2011 **Olympic Wrestling Referee** United World Wrestling (UWW) & SWFE
International UWW Referee, category I. Referee for the Swiss National Leagues. Vice-president, chief referee and webmaster of the FSRLA, the Swiss French amateur wrestling association. Member of the Swiss Refereeing Commission.
- 2021-2022 **Engineer Trainee** Federal Supreme Court of Switzerland
Applying machine learning concepts to the publication of court decisions. Java development on Linux using exclusively open source solutions. Completion of my Master's project.
- 2019-2021 **Student Assistant** EPFL
Assistant in Java, C, Python, VHDL, assembly, OpenMP, CUDA. Development of exams in C, Python and assembly. Co-responsible of the EPFL official coronavirus webpages. Page layout of EPFL's annual reports (2018-2020).
- 2012-2018 **Freelance Sports Correspondent** La Liberté et La Broye
Sports Correspondent of the CO Domdidier (Olympic wrestling).
- 2014-2015 **Soldier, long duty – strategic radio explorer** Swiss Army
Close cooperation with the Swiss Confederation's intelligence service.

Education

- 2019-2022 **Master of Science in Computer Science** EPFL
Specialization in Software Systems
GPA: 5.64/6.0
- 2015-2019 **Bachelor of Science in Computer Science** EPFL
Started with 1 year in Mathematics
GPA: 5.43/6.0
- 2015 **Language course** St. Clare's, Oxford, UK
English, 12 weeks
Finishing with the CAE, Grade A (C2 level)
- 2010-2014 **Bilingual *Maturité* (FR-DE)** Collège Sainte-Croix, Fribourg
Options: physics (FR) and applied maths (DE), political sciences
GPA: 5.32/6.0

Projects

- 2021 **Publication, 13th ACM Web Science Conference 2021** Python
Are Anti-Feminist Communities Gateways to the Far Right? Evidence from Reddit and YouTube – R Mamié, M.H. Ribeiro, R. West
- 2019 **Master's Semester Project** Python
Development of a tool that automatically creates unit tests from given solution files of any programming exercises.
- 2018 **Bachelor's Semester Project** Chisel
Creation of a processor in Chisel, a hardware description language based on Scala.
- 2018 **Software Development Project** Java
Android application development in a team of 6, using Scrum.