

# Coudert Rémi

SOFTWARE ENGINEER

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## Education

### Ecole Polytechnique Fédérale de Lausanne (EPFL)

Lausanne, Switzerland

MSC. AND BSC. COMPUTER SCIENCE AND ENGINEERING, SOFTWARE SYSTEMS SPECIALIZATION

Sep. 2014 - July 2020

- One year abroad at ENS (Ecole Normale Supérieure) Lyon, France
- Master Thesis in PRIVATICS team INRIA (Privacy, Research, Python, Data Scraping), cited twice

## Experience

### Software Engineer and DevOps

Thonon-les-Bains, Thonon

KOMUGI, THONON-LES-BAINS

September 2022 -

- Algorithms : In depth work on a scheduling algorithm for the Komugi software
- **Backend** : PHP, PostgreSQL, Api Platform, Doctrine ORM | **DevOps** : AWS, Docker, Terraform, VM admin

### Cyber Security Engineer

Lausanne, Switzerland

ELCA SECURITY, LAUSANNE

November 2021 - June 2022

- Part of the cloud security team. Keywords : IAM, new SOC preparation, Azure, Azure Sentinel

### Research Engineer (Research, Data Analysis, Data Viz)

Lausanne, Switzerland

INFORMATION SECURITY AND PRIVACY LAB, LAUSANNE UNIVERSITY

September 2020 - August 2021

- Work on multiple projects as the lab engineer, second author to one publication
- Keywords : Genomic privacy, wearables privacy, Checksums analysis, Python, Pandas, Matplotlib

### Master Thesis (Research, Privacy)

Grenoble, France

PRIVATICS TEAM, INRIA - SUPERVISOR : CLAUDE CASTELLUCCIA

February - July 2020

- Work on Dark Patterns and more specifically Cookie Banners/Consent Banners and their automatic detection and analysis. Cited twice on Google Scholar
- Keywords : Privacy, Dark, Patterns, Consent, Cookies, GDPR, Data analysis, Jupyter, Data Scraping

### Master Semester Project

Lausanne, Switzerland

SPRING LAB (EPFL) - SUPERVISOR : CARMELA TRONCOSO

August 2019 - January 2020

- Semester long project focusing on making sensitive (journalism) articles easier to reference, and automatically do so
- Keywords : Privacy, Cryptography, Web extension, PKI, Security

### Engineering internship (Data science, Machine Learning)

Lausanne, Switzerland

LOGITECH

February - August 2018

- Crawl and Scrapping and analysis of data from CSGO games, use of Machine Learning to detect KPIs and find new pro players.

## Skills

**Programming** Python, PHP, Scala, Java, C, C++, GO, Rust, Ocaml

**Science/Research** Maths, Data Science, Statistics, Machine Learning, Number theory, Cryptography, Compilers, White papers (reading/writing), Theory of computation, Physics

**Tools and Misc Languages** AWS, Git, Docker, Cryptography,  $\LaTeX$ , Unix environment, Docker, Bash, Metasploit, Burp Suite, Jupyter, Pandas, scikit-learn  
English (C2), French (native)

## Extracurricular / Misc stuff about me

- Google Summer of Code 2017 with the Scala organization, multithreading implementation using a mix of a reimplementation of Java concurrency in Scala, and native code in C
- Former member of Polyquity, EPFL's student association for gender equality for 2 years. Vice President for 6 months.
- Former member of the national French American Football U19 team and 2014 World Championship participant
- Former (3 years) U16/U17 Head Coach @Thonon Black Panthers (2023 Swiss Semi finalists),
- Privacy and Open Source enthusiast