Coudert **Rémi**

SOFTWARE ENGINEER

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Education

EPFL - Lausanne Institute of Techology   *Lausanne, Switzerland*

MSc. AND BSc. COMPUTER SCIENCE AND ENGINEERING   *Sep. 2014 - July 2020*

- One year abroad at ENS (Ecole Normale Supérieure) Lyon, France
- Eng. internship at Logitech (Data science), semester project at SPRING lab EPFL (Privacy), Master Thesis in PRIVATICS team INRIA (Privacy)

Experience

Software Engineer   *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 VM Setup, Docker, Terraform, RDS, IAM...

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   *Lausanne, Switzerland*

INFORMATION SECURITY AND PRIVACY LAB, LAUSANNE UNIVERSITY   *September 2020 - August 2021*

- Work on multiple projects as the lab engineer
- Genomic privacy, wearables privacy, Checksums analysis

Master Thesis   *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. My Thesis has been cited 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   *Lausanne, Switzerland*

LOGITECH   *February - August 2018*

- Crawl and Scrapping and analysis of data from CSGo games, use of ML to detect KPIs and find new pro players.

Google Summer of Code 2017

SCALA ORGANIZATION - SCALA NATIVE (AHEAD OF TIME COMPILER FOR SCALA)   *June - August 2017*

- Multithreading implementation using a mix of a reimplementation of Java concurrency in Scala, and native code in C.

Skills

Programming	Python, Scala, PHP, Java, C, C++, GO, Ocaml (notions)
Tools and Misc	AWS, Git, Docker, Cryptography, LaTeX, Unix environment, Docker, Bash, Metasploit, Burp Suite, Jupyter, Pandas, sklearn
Languages	English (C1-C2), French (native)

Extracurricular Activity - Misc stuff about me

- 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, current U16 Head Coach @Thonon Black Panthers
- Privacy and Open Source enthusiast