

ADRIEN BOUQUET | RESUME

EPFL-ETHZ Cybersecurity Master Student

Status: M.Sc. Cybersecurity - Computer Science Student

Fields: Cryptography, Software Security, Privacy Engineering, Machine Learning, Network Security

Techs: C, C++, Python, Rust, Git, Docker, Java, Scala, ASM, LLVM

Activities: Music studies, Classical Accordion, Hiking, Cooking

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Summary

With great curiosity and determination, I have always had an interest in computer science and engineering. Presently, I am enrolled a Joint Master's degree in Cybersecurity (Computer Science) between the Swiss Federal Institutes of Technology in Lausanne (EPFL) and Zurich (ETHZ), since September 2023. Prior to that, I completed my Bachelor's degree in Computer Science at EPFL in 2023. Alongside my studies, my passion for the arts and my practice of music have developed a creative vision, perseverance and rigor in my work. I look forward to exploring new perspectives through future ventures!

Skills

Languages

I am native in French and fluent in English. I also have a standard level in German. (B2)

Engineering Fields

During my Bachelor studies, Software Engineering, Theory of Computation and Mathematics were my main focus.

While pursuing my Master's degree, I primarily study Cryptography, Information Security, Software Security, Privacy Engineering, Machine Learning and Network Security.

Experience

Teaching Assistant - EPFL Summer School: Game Theory and AI

July 2024

- Support the students in their projects and exercises
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Master's Semester project - HexHive Lab of EPFL

Spring 2024

- Building a robust test suite on type confusion vulnerabilities
- Based on the paper "Type Confusion Detection for C++" from HexHive
- Supervised by Nicolas Badoux and Prof. Mathias Payer

Bachelor's Semester Project - Dependable Systems Lab of EPFL

Spring 2023

- Implementing a heuristic Query Count Estimation in LLVM
- Based on the paper "Efficient State Merging in Symbolic Execution" from DS Lab
- Supervised by Solal Pirelli, Can Cebeci and Prof. George Candea

Education

Joint Master Degree in Cybersecurity EPFL - ETHZ

2023 - present

Bachelor of Computer Science Swiss Federal Institute of Technology Lausanne

2020 - 2023

Maturité Fédérale Gymnase Auguste Piccard

2017 - 2020

Hobbies

In addition to my studies, I have followed a classical accordion course for 13 years, obtaining a certificate last year, as well as theoretical music courses. I also play an active part in accordion orchestras. During my studies, I liked to take part and staff in events at EPFL and socialize with my peers. I also enjoy cooking, reading, travelling and hiking!