

# ELVRIC TROMBERT

## › EDUCATION

- ETH/EPFL Switzerland** sept.2020-now  
*CyberSecurity Master*
- McGill University Montreal, Canada** sept.2015-may.2019  
*Bachelor of Science: Major in Software Engineering, Minor in Biology*
- Canadian International School Singapore** sept.2013-may.2015  
*International Baccalaureate: Higher level in Business, Chemistry and Biology*

## › WORK EXPERIENCES

- Gorilla Group Montreal, Canada** jul.2019 - jun 2020  
*Security Engineer*
- › Ran monthly security scans against our customers' websites and delivered the associated security reports to clients
  - › Implemented process to detect Javascript malware on clients' online stores to defend against Magecart attacks
  - › Reverse-engineered Javascript malware uncovered on client's site
  - › Automated the security-scan process by creating custom scripts in Bash, PHP and Python that reduced scan time by 50%
  - › Created a user-interfacing platform linked with the Jira API and LDAP to automate support-ticket creation for clients
- GIRO Montreal, Canada** may.2018 - aug.2018  
*Software Developer*
- › Developed a database-translation tool in C++ to transfer entities across databases with different structures
  - › Continuously added design and development improvements to the translation tool
- CSUS McGill Montreal, Canada** jan.2018 - dec.2018  
*Computer Science Tutor*
- › Tutored students on: Algorithm design, coding logic, programming language specific syntax, etc...
  - › Adapted my tutoring methods to better suit each student's profile
- Camp Massawippi Ayer's cliff, Canada** jun.2017 - aug.2017  
*Camp Activity leader for disabled children*
- › Brainstormed and designed activities adapted to meet each camper's needs
  - › Assisted campers with their personal care
  - › Learned the basics of American Sign Language to communicate with campers

## › PROJECTS AND ACHIEVEMENTS

- GCSP Geneva Cyber 9/12 challenge Geneva, Switzerland** apr.2022  
*Second place / 30 teams*
- › International competition focused on cyber crisis management
  - › Developed social, economic, technical, and political strategies for a fictional country's cyber security incident
  - › Presented our team's action plans to the judges
- Applied Security Lab group project Zurich, Switzerland** sept.2021-dec.2021  
*Building a Certificate Authority*
- › Developed a full stack certificate authority using:
    - › React for the front-end, Python Flask framework for the back-end and Vagrant for managing the virtual infrastructures
  - › Followed a secure-by-design approach including extensive risk analysis and resulting security measures
  - › Managed the infrastructure config., including firewalls, Rsyslog, backups, SSH access and MySQL database structure and permissions
  - › Reviewed other groups' implementation and designs

## CONTACT

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- ✉ [elvric.trombert@epfl.ch](mailto:elvric.trombert@epfl.ch)
- 🐙 [github.com/elvric](https://github.com/elvric)

## NATIONALITY

French  
Permanent resident of  
Canada

## PROGRAMMING LANGUAGES AND TOOLS

Java

Python, C, HTML/CSS,  
SQL, JavaScript

Jira, Defect Dojo, Nessus

Magento, Snyk

## ON THE SIDE

Close up Magician,  
Juggler,  
Uni-cyclist,  
Improv Comedian  
Climbing/Bouldering

## LANGUAGES

Bilingual: French and  
English