

# LOUIS VIALAR

Computer Science Student



Lausanne, Switzerland  
(+41) 76 805 15 99  
louis.vialar@gmail.com



keybase.io/zyuiop  
github.com/zyuiop  
@zyuiop\_-

## WHO AM I?

I'm a Computer Science graduate student at EPFL. My main areas of interests are software systems and information security. I like working on and thinking about software design problems. I'm interested in open source software and run ArchLinux on my work computer.

I'm very proficient with the JVM ecosystem, and mostly work with Java and Scala. I also know TypeScript for front-end applications, and occasionally use Python for scripting. I'm always keen to learn new languages and technologies.

## TECHNICAL SKILLS

**Languages I practice:** Scala, Java, TypeScript

**Languages I know:** C, C++, PHP, VHDL, Python, Go

**Techs I like:** Angular, Play Framework, RabbitMQ, MongoDB

**Tools I use:** ArchLinux, zsh, git, maven, gradle, sbt, Jetbrains' IDEs

## EXPERIENCE

2018 –  
volunteer, part time

### President, IT Manager

PolyJapan

Organized a convention for more than 8'500 visitors over a weekend at EPFL. Designed and developed the booking website and the intranet of the association, handling over 100'000 CHF of transactions. Managed an organization of 30 permanent contributors.

Management / Angular / Scala / Play Framework

2018 –  
part time

### Teaching Assistant

EPFL

Contributed to the creation and update of the course material (lectures, projects) for the Software Engineering undergraduate course.

Teaching / Java / Android / Software Engineering

2015 – 2017  
part time

### Software Developer

Epicube SAS

Worked on the network stack of a multiplayer game network, hosting more than 11'000 simultaneous players and more than 1M unique players.

Java / Netty / MySQL / Minecraft / RabbitMQ / Redis

2014 – 2015  
volunteer, part time

### Software Developer

SamaGames

Built the network stack and managed the servers of a multiplayer game network, hosting more than 3'000 simultaneous players and more than 300'000 unique players.

Java / Linux / Minecraft / Redis

## EDUCATION

2020 – 2022

### MSc in Computer Science, ongoing

EPFL

With focus on software engineering and software security. Courses on software security, information security, cryptography, computer systems, distributed algorithms.

2016 – 2019

### BSc in Computer Science, GPA 5.06/6

EPFL

Courses on Software Engineering, Functional Programming, Computer Security, Algorithms. Software Development Project (in teams of 6) and individual Computer Science Project.

**Some projects:** Android App, Nios II processor in VHDL, DHT in C.

2013 – 2016

### Baccalauréat Scientifique, GPA 17/20

Lycée Las Cases

High school diploma, with focus on maths and life science. "European mention" in English.

## LANGUAGES

**French** - native  
**English** - proficient

## HOBBIES

I like video-games, software development, reading, and Japanese culture, animation and manga.

## NON PROFIT

I help organizing various events at EPFL: concerts, blood donations, conventions...