

LOUIS VIALAR

Computer Science Student



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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...