

Alice Pellegrini

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Nationality: Italian; *currently working in Zurich (ZH), Switzerland*

EDUCATION

EPFL

Master in Computer Science

Lausanne, Switzerland

09/2022 - (03/2025)

- Compilers and Languages
- Databases
- Distributed and Concurrent Algorithms
- Privacy and PETs
- Software Security

Politecnico di Torino

Bachelor of Computer Engineering - Grade 110L

Torino, TO

10/2019 - 07/2022

Via University College

Exchange student for one semester

Horsens, Denmark

10/2021 - 01/2022

EXPERIENCE

Oracle Research – Master Thesis

Research intern – Java, Python, Clone detection, ANTLR

Zurich, Switzerland

09/2024 - 02/2025

SonarSource

Developer intern, Languages team (CFamily) – C++, Java, Python, Typescript

Geneva, Switzerland

02/2024 - 08/2024

GetApper SRL

Full stack developer intern – React, Typescript, MongoDB

Torino, Italy

02/2022 - 06/2022

UNIVERSITY PROJECTS AND OSS CONTRIBUTIONS

Semester Project in Software Security | *Static Analysis, Cpp, LLVM*

Contributed to Rescript Compiler | *JavaScript, OCaml, Compilers*

Peer to Peer project | *Distributed Algorithms, GoLang*

L3 Compiler Project | *Compiler Construction, Scala, Github Actions*

Secure Multiparty Computation | *Privacy Enhancing Technologies, Python*

Transactional Memory Framework | *Concurrent Programming, C*

Distributed Algorithms Project | *Java, Network Programming*

Transaction Summary | *Android (Kotlin), Firebase functions, Firestore*

TECHNICAL SKILLS

Languages: C, Java, Kotlin, Scala, JavaScript, TypeScript, Html, Css, Python, C#, SQL, Rust

Frameworks: Android, dotnet core, NestJS, sklearn, svelte, react

Tools: git, Github, Github Actions, Docker, Firebase

UNIVERSITY TEAM

IEEE Honors Society - HKN Polito

Inducted Member - IT Area

Torino, TO

03/2021 - 07/2023

- Python developer
- Back End developer (Typescript - NestJS), Unit testing, e2e testing

SPOKEN LANGUAGES

English: C1

Italian: Mother Tongue