

Luca Zaninotto

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EDUCATION

- **Bachelor in Computer Science**
Università degli studi di Padova
Final grade 110/110 with Laude
2018 - 2021
- **Master in Computer Science**
Università degli studi di Padova
Major in Programming languages and systems, with a focus on computability, advanced algorithms and static analysis with abstract interpretation.
Current GPA - 29/30
2021 - on going
- **Erasmus+**
Helsingin yliopisto
Took part to the Erasmus+ program at the university of Helsinki, Finland, studying functional languages, and cybersecurity
gen 2022 - mag 2022
- **Languages**
English: IELTS 7.5 grade
French: B2 with TCF




INTERNSHIPS

Synclab s.r.l.

Internship

Worked as an intern for my bachelor thesis, developing a (fullstack) dapp using **ethereum** and **hotmoka** as backends, angular as frontend, hosting the resulting product on **IPFS**.
2021

PROJECTS

- **Advanced algorithms**
Implemented and compared different algorithms for the minimum cut problem, the results and a short article can be found on  [GitHub](https://github.com/lusergit/minimum-cut) ¹
- **Languages for concurrency and Lisp**
Implemented a Lisp library to enable concurrency based on channel communication, implementing π -calculus and the actors model.
- **Backend**
Implemented as a year long course project for *Software engineering* a backend in Java with restful APIs (using Spring hateoas) and a database with MongoDB.
- **Embedded and low level programming**
I've gained experience in various courses (mainly about cybersecurity) with low level programming and embedded systems, i.e., C/C++ and assembly languages and tools such as gdb, valgrind and radare2.
- **Missing semester in CS**
Held informal lectures on Git and software versioning in general. Working on translating the *Missing semester* resource from MIT in Italian²
- **More**
Fluent in C/C++, Java and Python, I have a solid base of Rust, Typescript, JavaScript and Lisp. Good knowledge of HTML and CSS and all the major frameworks for web development, like Angular, React and Vue. Go and Erlang recently studied at university.

¹https://lusergit.github.io/posts/minimum_cuts.html

²<https://github.com/missing-semester-it/missing-semester-it.github.io>