

# Marco Micera

COMPUTER ENGINEER · CLOUD ENTHUSIAST

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## Work Experience

### University of Lugano

RESEARCH ASSISTANT

- Worked on a follow-up project of my Master's thesis, which will result in a paper later this year
- Further details TBA

*Darmstadt, Germany*

*Apr 2019 - Jul 2019*

### University of Pisa

WEB DEVELOPER

- Contributed in developing the School of Engineering website [ing.unipi.it](http://ing.unipi.it) of the University of Pisa ([credits](#)) as a part-time worker
- Improved its usability by re-arranging the content and designing a new website navigation bar
- Introduced infographics to help students find classrooms within the campus

*Pisa, Italy*

*Sep 2016 - Aug 2017*

## Education

### Technical University of Darmstadt

MASTER'S THESIS

- Title: TBA

*Darmstadt, Germany*

*Oct 2018 - Mar 2019*

### Polytechnic University of Turin

M.SC. IN COMPUTER ENGINEERING

- Relevant courses: cloud computing, computer network technologies and services, distributed programming, software engineering ([list](#))

*Turin, Italy*

*Mar 2017 - Mar 2020*

### University of Pisa

B.SC. IN COMPUTER ENGINEERING

*Pisa, Italy*

*Oct 2013 - Feb 2017*

## Latest Projects

### [distributed-k8s](https://github.com/marcomicera/distributed-k8s) – [github.com/marcomicera/distributed-k8s](https://github.com/marcomicera/distributed-k8s)

POLYTECHNIC UNIVERSITY OF TURIN

- Benchmarking tool based on Google Cloud Platform's PerfKit Benchmark that can periodically run benchmarks as CronJobs on Kubernetes
- Results can be exposed to a Prometheus Pushgateway
- Supports three kinds of benchmarks: I/O (fio-based), networking (iperf and netperf) and VM placement/startup time; easily extendable

*Turin, Italy*

*Sep 2019 - Feb 2020*

### [followifier](https://github.com/marcomicera/followifier) – [github.com/marcomicera/followifier](https://github.com/marcomicera/followifier)

POLYTECHNIC UNIVERSITY OF TURIN

- Tracking system that exploits Wi-Fi Probe Request frames sent by ESP32 boards placed in the corners of a room to detect and monitor devices
- Implemented boards' firmware and main server's logic

*Turin, Italy*

*Apr 2018 - Jan 2020*

## Technologies

**Most experienced with** Scala, Java, Bash, C/C++, Linux

**Some experience with** Kubernetes, Docker, Python, OpenAPI/Swagger, J2EE, HTML/CSS, MySQL

**Dabbled in** PHP, Javascript/jQuery/TypeScript, Spring Boot, Angular, Java Android, Kotlin

## Skills

🔑 Strong advocate of version control, detailed documentation, code modularity, and testing

🗣️ Good public speaking skills, acquired through several presentations during the Master's degree

👥 Good relational and organizational skills thanks to the time spent with the Erasmus Student Network in Pisa, Turin, and Darmstadt

## Languages

**Italian**, Native (C2)

**English**, Fluent (C1, IELTS 7.5)

**Spanish**, Intermediate (B1)

**German**, Basic (A2)