

# ANDREA TULIMIERO

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## PROGRAMMING LANGUAGES AND OPEN SOURCE

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C, Python, JavaScript, Java, C++

[github.com/andreatulimiero](https://github.com/andreatulimiero)

## EDUCATION

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### ETH, Zurich

*September 2018 - September 2020*

M.Sc. in Computer Science

Overall GPA: 5.54

### Sapienza University of Rome, Rome

*September 2015 - June 2018*

B.Sc in Engineering in Computer Science

Final grade: 110/110 cum laude

## EXPERIENCE

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### Research Assistant

September 2019 - Present

*Network Security Group, ETH*

*Zurich, Switzerland*

- *Researching* solutions to achieve *high availability* guarantees against *DDoS* attacks targeting critical SCION components

### Software Engineer

July 2019 - Present

*Network Security Group, ETH*

*Zurich, Switzerland*

- *Designing* and *implementing* a new feature for the SCION Coordinator by *restructuring* the web app's database and API [**Python**, **JavaScript**, *HTML*, and *CSS*; draft PR and PDF]
- *Debugged* and *fixed* SCION Coordinator's own and third-party components such as this and this [**Python**]
- *Developed* a lightweight user interface to manage the SCION Box [**JavaScript**, *HTML*, and *CSS*]

### Advanced Operating Systems Project

March 2019 - June 2019

*ETH*

*Zurich, Switzerland*

- *Implemented* a research-oriented microkernel's main functionalities and *data structures* [language: **C**]

## LEADERSHIP AND AWARDS

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- *Speaker* at the SCION Day conference presenting the SCION Box (*talk* available here)
- Member of the ETH CTF team's *management committee*
- Selected as one of 5 participants of Sapienza University's *Honors Program* for a semester-long research project about cybersecurity [**C++**, repository here]
- Awarded with Mario Negri scholarship for outstanding results during my B.Sc. studies

## EXTRACURRICULAR ACTIVITIES

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- Hobbyist competitive programmer on HackerRank and LeetCode [**C++** and **Java**]

### Google workshop for Cloud and Development

November 2017 - June 2018

*Sapienza University/Google Tel Aviv*

*Rome, Italy/Tel Aviv, Israel*

- *Managed* a team of 5 through the realization of a web platform that eases the process of sharing findings about malware between researchers [**Python** and **JavaScript**]