Tommaso Caiazzi

PhD. Student of Computer Networks

Tommaso Caiazzi

E-Mail Address
tommasocaiazzi@
gmail.com
tommaso.caiazzi@
uniroma3.it

Telephone number
(+39)3290828457

Current Address
Via Isola Bella 35
(RM) 00141

GitHub Account
tcaiazzi

Education

2018 - 2020, Università degli studi di Roma Tre
Master's Degree in Computer Engineering, 110/110 cum Laude.

Thesis Title: "Software Defined Data Centers: methods and tools for routing protocol verification and comparison"

2015 - 2017, Universià degli studi di Roma Tre
Bachelor's Degree in Computer Engineering, 110/110

Thesis Titile: "Un sistema per la generazione di ipotesi in Logica Temporale Lineare"

Experience

January 2022 - February 2022, KTH Royal Institute of Technology, Stockholm
Visitor PhD. Student at the department of Communication System.

Novemeber 2020 - Present, PhD. Student of Computer Networks at Roma Tre University
PhD. Project: "Methodologies and Advanced Techniques for Data Center Networks".

May 2020 - November 2020, Training Project at NaMeX
Rome's Internet Exchange Point

June 2019 - Present, Maintainer of Kathará network emulation system
https://github.com/KatharaFramework/Kathara

Publications

A High-Speed Stateful Packet Processing Approach for Tbps Programmable Switches (NSDI2023)
Scazzariello, Caiazzi, Ghasemirahni, Barbette, Kostić, Chiesa - 20th USENIX Symposium on Networked Systems Design and Implementation

Sibyl: a Framework for Evaluating the Implementation of Routing Protocols in Fat-Trees (NOMS2022)
Caiazzi, Scazzariello, Alberro Zimmermann, Ariemma, Castro, Grampin, Di Battista - Proceedings IEEE/IFIP Network Operations and Management Symposium

MRT#: a Fast Multi-Threaded MRT Parser (IM2021)
Lorenzo Ariemma, Mariano Scazzariello, Tommaso Caiazzi - Proceedings IFIP/IEEE International Symposium on Integrated Network Management (Best Demo Paper Award)

VFTGen: a Tool to Perform Experiments in Virtual Fat Tree Topologies (IM2021)
Tommaso Caiazzi, Mariano Scazzariello, Lorenzo Ariemma - Proceedings IFIP/IEEE International Symposium on Integrated Network Management

Kathará: A Lightweight Network Emulation System (NOMS2020)
Mariano Scazzariello, Lorenzo Ariemma, Tommaso Caiazzi - Proceedings IEEE/IFIP Network Operations and Management Symposium (Best Demo Paper Award)

Certification

Intel® Connectivity Academy Level 1
Released by Intel®
Available here

Networking dei Data Center
Released by NAMEX School of Advanced Networking
Available here

BGP Professional
Released by NAMEX School of Advanced Networking
Available here

SDN, NFV ed evoluzione verso i microservizi
Released by NAMEX School of Advanced Networking
Available here

Language Skills

Italian
Native Speaker

English
B1 - Intermediate

Programming Languages

Advanced Knowledge
- Python
- P4

Intermediate Knowledge
- Ocaml
- Java
- Lua
- C#

Base Knowledge
- C/C++
- Go

Interests

Personal
I love Problem Solving. I'm a passionate reader and art lover.