

# CV of Giacomo Longo

Candidate *teaching assistant* for *Virtualization and Cloud Computing* at DIBRIS

## Education

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<b>National PhD Program in Artificial Intelligence for Security</b> Sapienza University of Rome	Nov 2021 - ONGOING
<b>Master's degree in Computer Engineering (LM-32)</b> University of Genoa - 110 cum laude/110 Thesis title: <i>Implementation of a lightweight digital twin framework</i>	Sep 2019 - Jul 2021
<b>Bachelor's degree in Computer Engineering (L-8)</b> University of Genoa - 101/110 Thesis title: <i>PostPro app</i>	Sep 2016 - Oct 2019
<b>High school diploma in Economics</b> I.I.S.S. F. Liceti - 98/100	Sep 2011 - Jun 2016

## Work experiences

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<b>Teacher</b> Scuola Telecomunicazioni Forze Armate Master course in <i>Network Forensics</i>	Nov 2021 - Dec 2021
<b>Teaching assistant</b> University of Genoa <i>Virtualization and Cloud Computing</i> (LM-18, LM-32)	Sep 2021 - Dec 2021
<b>Internship</b> Ericsson Telecomunicazioni S.p.A.	Apr 2020 - Oct 2020
<b>Teacher</b> Liceo Scientifico Leonardo da Vinci Courses: <i>Statistical analysis and data mining, Coding and robotics</i>	Feb 2020 - Jun 2020
<b>Telecommunications Technician</b> Studio Longo Giorgio	Jun 2016 - Aug 2017

## Scientific activity

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### Publications

<b>Attacking (and defending) the Maritime Radar System<sup>1</sup></b> G. Longo, E. Russo, A. Armando, A. Merlo	Jul 2022
<b>Training the Maritime Security Operations Centre Teams</b> M. Raimondi, G. Longo, A. Merlo, A. Armando, E. Russo	Jun 2022
<b>LiDiTE: a Full-Fledged and Featherweight Digital Twin Framework<sup>1</sup></b> E. Russo, G. Costa, G. Longo, A. Armando, A. Merlo	Feb 2022

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<sup>1</sup>Undergoing the peer review process

## Conferences

IEEE CSR Jul 2022 ITASEC Giu 2022

## Languages

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	Listening	Reading	Spoken interaction	Spoken production	Writing
Italian	Mother tongue				
English	C2	C2	C2	C1	C1

Levels definitions from the *Common European Framework for Languages*

## Skills and technologies

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### Programming Languages

C (🔧) — C++ (✓) — ☞ Java (🔧) — 📄 JavaScript (🔧) —  $\LaTeX$  (🔧) — MATLAB (✓) —  PHP (✓) —  
🐍 Python (🔧) — POSIX sh (🔧) — 🦀 Rust (📄)

### Databases and storage

CEPH (🔧) — etcd (✓) — MongoDB (✓) — NATS (✓) — PostgreSQL (📄) — SQLite (📄)


### Provisioning, Infrastructure-as-Code, and Cloud computing

Ansible (🔧) —  (✓) —  Docker (📄) — GCP (✓) — Kubernetes (📄) — Podman (🔧) — Terraform (✓)

### Network administration and services

Asterisk (📄) — CoreDNS (🔧) — Envoy (✓) — FRR (✓) — IPVS (✓) — HAProxy (🔧) — NGINX (🔧) —  
OpenVSwitch (🔧) — Wireguard (📄)

### System administration and management

 Linux (📄) — systemd (📄)

Knowledge level: ✓ Basic — ✓ Intermediate — 🔧 In-depth — 📄 Wizard