

# Alessandro Righi

## Curriculum Vitae

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Hi! I'm a software engineer living in Verona. I have a strong passion in informatics and electronics. I currently work as a software engineer in IOTINGA, a company specialized in IoT products and industry 4.0. I got a Master's degree in Computer science and engineering with the specialization in cybersecurity at the University of Verona, where I also got a bachelor's degree. In my spare time I'm an instructor for the CyberChallenge.IT program at the University of Verona. I did work as a tutor for the Italian Olympics in Informatics.

### Education

- 2018–2022 **Master degree in Computer Science and Engineering, with specialization in Computer Security**, *University of Verona*, 109/110
- 2015–2018 **Bachelor's degree in Computer Science**, *University of Verona*, 110/110 with honors
- 2010–2015 **Diploma of scientific lyceum**, *ISIS L.Calabrese P.Levi*, San Pietro in Cariano (VR), 80/100

### Experience

- 2020–today **Software engineer**, *IOTINGA s.r.l.*, San Martino Buon Albergo (VR)
- 2021–today **Instructor for the CyberChallenge.IT program**, *University of Verona*
- 2018–2022 **Tutor and software developer for the Italian Olympics in Informatics team**
- 2018–2020 **Tutor for the course Programming Challenges**, *University of Verona*
- 2019–2020 **Tutor for the courses Programming I, Bioinformatics**, *University of Verona*
- 2019–2020 **Tutor for the courses Programming II, Informatics**, *University of Verona*
- 2018–2019 **Tutor for the course Programming, Applied Mathematics**, *University of Verona*

### Archivements

- 2020 **Third place at the CyberChallenge.IT national challenge**, *University of Verona*
- 2020 **First place at the local CyberChallenge.IT CTF**, *University of Verona*
- 2020 **35st place at the ICPC-ACM SWERC 2019-2020**, *Télécom ParisTech*, Paris
- 2019 **21st place at the Google HashCode word finals**, *Google European Headquarter*, Dublin
- 2018 **22nd place at the ICPC-ACM SWERC 2018-2019**, *Télécom ParisTech*, Paris

### Languages

- Italian Native speaker
- English Level B1

### Technical skills

- Embedded Firmware development for 32-bit microcontrollers, cloud communication, MQTT, BLE, Espressif, FreeRTOS
- App Development of iOS/Android apps with React Native
- Backend REST API development, Node.JS, Python, Django, PostgreSQL
- Cloud Excellnt knowledge of AWS services, serverless, DynamoDB, EC2, ECS, Lambda, IoT Core, IAM, Cloudformation
- Elettronica Digital electronic circuit design, PCB creation with KiCad, fault diagnostic and repair

System administration	System administration of GNU/Linux systems, Docker, Proxmox VE, sistemi CI/CD, Ansible
Cybersecurity	Penetration testing, malware analysis, reverse engineering, CTF
Frontend	Web app development with React, CSS, TypeScript, PHP