

# Vincenzo Gerelli

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## SUMMARY

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Computer Engineer (MSc in Internet and Cloud, in progress) with hands-on experience building and shipping multi-platform products end-to-end. Trained at the Apple Developer Academy and Cisco DTLab, with a core in Swift and Python and a solid foundation in network design, security, and systems.

## EXPERIENCE

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**Software Developer** 2025 – 2026

*Apple Developer Academy - Pier Program* Napoli, Italia

- Built and shipped a multi-platform suite of 4 connected applications (macOS, iPadOS, and web) sharing a central database, for iSchoolAfrica, a South African NGO delivering technology to 340+ under-resourced schools.
- Delivered features over 17 two-week sprints in an Agile SCRUM team, collaborating with product owners and stakeholders from concept to deployment.

**Apple Developer Academy Trainee** 2024 – 2025

*Apple Developer Academy* Napoli, Italia

- Selected for an intensive one-year iOS program; designed and shipped 3 team apps using Swift and SwiftUI, covering UI/UX, business strategy, and end-to-end product development.

**Cisco DTLab Trainee** 2019

*Cisco DTLab* Napoli, Italia

- Earned Cisco CCENT certification (routing, switching, IoT, cybersecurity); applied Python scripting and network automation via Cisco Webex APIs.
- Built an automated network provisioning solution for metro infrastructure with Hitachi Rail STS.

## PROJECTS

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**Alight!** | *Swift, SwiftUI, HomeKit, Accessibility* 2025 – Present

- Led development of a home communication system for individuals with hearing impairments, using HomeKit framework to integrate smart lighting for visual alerts and real-time notifications.

**Blinko** | *Swift, SwiftUI, CoreML, Machine Learning* 2025

- Co-led development of an iPadOS app teaching children vocabulary in a new language by identifying real-world objects via on-device machine learning (CoreML).
- Selected among the top 4 projects of the Apple Developer Academy; presented to 500+ attendees including Apple engineers, who positively reviewed the app.
- Won the "Cultural Innovation" Special Award at Start Cup Campania 2025, a regional university startup competition across all Campania's universities.

**R-Easy** | *Python, Swift, Arduino, Raspberry Pi, Cisco IOS, IoT* 2019

- Built a full-stack smart-bin IoT system: Arduino (sensors/actuators), Raspberry Pi (aggregation), remote server (real-time processing), iOS app (status and geolocation).
- Won 1st place at Hack.Gov 2019, Italy's largest public-administration hackathon (200+ international participants)

## EDUCATION

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**Università degli Studi di Napoli Federico II** Napoli, Italia

*Master's Degree in Computer Engineering – Internet and Cloud* 2024 – Present

- Coursework in web and real-time protocols, network design, network security, and wireless networking.

**Università degli Studi di Napoli Federico II** Napoli, Italia

*Bachelor's Degree in Computer Engineering* 2014 – 2018

- Thesis: Analysis of Android's memory management mechanisms, focusing on low-level kernel modifications for resource allocation, process prioritization, and garbage collection.

## TECHNICAL SKILLS

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**Programming Languages:** Swift, Python, C/C++, Java, JavaScript, SQL

**Frameworks & Tools:** SwiftUI, Node.js, React, WebRTC, Docker, Wireshark, Git

**Languages:** Italian (Native), English (C1)