

# Ivan Capasso

## Mid Software Engineer



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<https://github.com/Noctino52>

Strong skills in PHP, Javascript, C#, Python, and Java through experience building advanced testing method, retroserver of an online game, handwritten digit recognizer and more.

## Work Experience

### Ireth - Software Engineer

January 2024 - Present

33k RAL + 8€ TR

Turin, Italy

- Developed APIs for banking authentication and OTP apps, managing PoC, testing, and debugging environments (PHP, JavaScript, C, Android, PHPUnit).
- Assisted the CTO by leading a team of 3 developers, accelerating the delivery of a Satispay-like solution (Node.js, Kotlin & Swift + Hybrid Flutter).
- Enhancing and supporting client compliance MPS, BCC, and BPM banks (PSD2, SCA).

### HorAlzon - Full-Stack Web Developer

January 2022 - January 2023

Naples, Italy

- Mapped customer journeys & delivered sprint plans using agile method as part of website migration project of a management for beauty centers with 50+ daily user
- Designed the UI and gained the metrics of the user profile for a social analytics platform covering Facebook, Google, Instagram and TikTok.
- Amplified accounting forms of a CRM/ERP and generated sales chart for the products

## Education

### Master in Computer Science

September 2021 - October 2023

Final mark: 91/110

University of Naples Federico II

### Bachelor in Computer Science

Final mark: 98/110

University of Naples Federico II

## Technical Projects

### Enne

<https://www.enneonline.org> (Italian IP required, use VPN)

- Co-Founder of this retroserver of Nostale (An 2006 MMORPG)
- I enhanced core server (C#) functions and outplaced default features with ideas gathered from the community, creating and managing this way a consolidated italian server with 50+ daily player
- Identifying issues in the game by creating views (SQL Server) and implementing data analytics jobs to determine if players are playing fairly and following the intended gameplay design.

### RPropNetBuilder

<https://github.com/Noctino52/RPropNetBuilder>

- Implemented from scratch a Python Multilayer Neural Network, specialized for a 10-class classification problem (identifying handwritten digits from 0 to 9) using the MNIST dataset.
- Implemented the RProp weight update algorithm to optimize neural network training process, reducing convergence time by 40% and improving model accuracy by 15% compared to SGD

## Soft Skills & Info

- **Communication & Open-Mindedness:** Participate in an improvisational theater course
- **Teamwork & Leadership:** Managing every team of degree exam project
- **Empathy:** Moderation/Customer service for online web community
- **Time Management:** Speedrunning

### Language:

English (B2)  
Italian (Native)

Date of birth: 15/12/1998  
Male

Reside in Turin (Italy), but  
**available for immediate relocation  
for work on-site.**