

# Ana Gaspar

Computer Science, Networks and Telecommunications Engineer  
Hardworking, Dedicated and Resilient



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Lisboa, Portugal

## Professional Experience

### Data Tester

Siemens Mobility - Portugal

06/2023- 04/2025

- Software validation and automated testing in the railway sector (trains and signaling infrastructure).
- Participation in the La Llagosta project (Barcelona)
- Testing and validation for Brazil projects: Line 6 (monorail), Line 8-Diamond (Westtrace MKII automatic signaling and electrification), Line 10-Turquoise, and Line 11-Coral of the São Paulo Metro
- Manual testing process: Verified software VMs had all required equipment for testing; confirmed server communication integrity for full software validation; executed project-specific test protocols to ensure complete requirements coverage; performed core test validation; logged errors via internal ticketing platform; conducted final Factory Acceptance Tests (FATs) with clients and generated Site Acceptance Test (SAT) documentation
- Analysis of manual test results, including debugging of CBTC (Communications-Based Train Control) system failures and compliance reporting

### Networking Engineer

Siemens Mobility - Portugal

06/2021 - 06/2023

- Network plan design (equipment, IPs).
- Configuration and troubleshooting in the field.

## Projects

### Vessel localization by satellite - Master's Thesis

IST - Instituto Superior Técnico

07/2020 - 07/2021

- .NET application to monitor vessels via satellite using a Geographic Information System (GIS)

### Communication between collaborative robot cars - Final Degree Project

ISEL - Instituto Superior de Engenharia de Lisboa

01/2019 - 07/2019

- Study of the modes of communication between robot cars in order to exchange information on locations, agree on actions and collaborate on certain tasks.

## Diplomas

### Diploma of Academic Merit

- Best ISEL student graduating in Computer Science, Network and Telecommunications Engineering in the 2018/2019 academic year

## Skills



## Languages

|            |           |
|------------|-----------|
| Portuguese | ● ● ● ● ● |
| English    | ● ● ● ● ○ |
| Spanish    | ● ● ● ○ ○ |

## Education

### Master's Degree in Computer and Telecommunications Engineering



IST - Instituto Superior Técnico

09/2019 - 09/2021

- Specialization in Telecommunications and Security Systems.

### Degree in Computer Science, Networks and Telecommunications



ISEL - Instituto Superior de Engenharia de Lisboa

09/2016 - 09/2019

- Math and Algebra
- Mobile Networks Planning
- and Optimization
- FrontEnd Development
- Advanced Computer and Internet Networks & Security
- Physics and Telecommunications
- Basic Electronics
- Low-Level Programming (Assembly, C) and High-Level Programming (Java)
- Computer Architecture and Operating Systems
- Database Management (SQL, JDBC)
- Terrestrial and Satellite Communications

## Interests



## Volunteering

### Lisboa Games Week 2024 - General Support

11/2024

### Lisboa Games Week 2018 - General Support

11/2018

### Comic Con 2018 - General Support

09/2018

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