



# Rafael Graca

## Computer Engineering Student

Computer Engineering undergraduate at the Polytechnic Institute of Beja (since 2022). Experience with Java, MATLAB and SQL; front-end with HTML/CSS/JavaScript; databases (SQL Server, Access) and Git/GitHub. Clear communicator, team-oriented, and quick to learn new tools. Interested in real-world projects and internship opportunities.

## Contact

### Phone

+351 939 298 420

### Email

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### Address

São Bartolomeu do Sul,  
Castro Marim, Faro,  
Portugal

## Education

- Completed in 2022

### Secondary School of Vila Real de Santo António

Science and Technology Course

- 2022 - Present

### Polytechnic Institute of Beja

Bachelor's Degree in Computer  
Engineering

## Expertise

- Programming Languages
- Web Development
- Databases
- Software Engineering
- Tools & Frameworks
- Data Analysis

## Language

Portuguese: Native / Fluent

English: Intermediate

## Additional Information

Driving License: Category B

## Experience

### 2020 – 2022

#### Seasonal Team Leader & Customer Assistant – Summer Jobs

Worked in summer seasonal roles involving teamwork, customer service, and responsibility for small task groups. Gained experience coordinating colleagues, assisting customers, and maintaining an efficient and friendly environment.

### 2022 - Present

#### Computational Mathematics (MATLAB)

Implemented numerical algorithms and mathematical models; developed simulations for data analysis and visualization.

### Database Systems (SQL Server / Access)

Designed and optimized relational databases; created SQL queries, forms, and reports connected via ODBC.

### Object-Oriented Programming (Java)

Built console-based applications and small games applying OOP principles (classes, inheritance, collections, and testing).

### De-Orbiting Project (MATLAB)

Simulated the atmospheric re-entry of a satellite using numerical integration and physical modeling.

## Reference

GitHub: [github.com/rafagraca](https://github.com/rafagraca)

LinkedIn: [linkedin.com/in/rafael-graca-a85521386](https://linkedin.com/in/rafael-graca-a85521386)