



# Álvaro García-Caro Bartolomé

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👤 Portfolio: <https://alvaroogarcia1.github.io/>

## ABOUT ME

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Final-year Computer Engineering student at ETSIINF, with a special interest in software development, mainly in the backend area, and also open to gaining experience in frontend. I am known for my ability to learn quickly, my responsibility, and my motivation to add value to technology projects. I am looking for my first professional opportunity to apply my knowledge and grow as a developer.

## EDUCATION AND TRAINING

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### Bachelor's degree in Computer Engineering

*ETSIINF, UPM* [ 09/2021 – Current ]

City: Madrid | Country: Spain | Website: <https://www.fi.upm.es/> | Level in EQF: EQF level 6

### Baccalaureate in Science and Technology

*I.E.S Juanelo Turriano* [ 09/2019 – 06/2021 ]

City: Toledo | Country: Spain | Website: <http://www.iesjuaneloturriano.es/> | Level in EQF: EQF level 4

## PROJECTS

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**REST API for a library** Design and implementation of a RESTful service for inventory management and book loans, applying HATEOAS principles and persistence in a relational database, using Java, Spring Boot, PostgreSQL, Maven, Postman, and GitHub.

**Mobile application for tennis tournament management** Development of a multi-platform application for managing tournaments, players, and results, with authentication and cloud storage, using Flutter, Dart, Firebase (Firestore, Auth), and GitHub.

**Development of the Sokoban video game** Design and implementation of the classic Sokoban game, applying principles of object-oriented programming, version control, and code quality, using Java, Maven, JUnit 5, SonarQube, and GitLab.

**Language processor with lexical, syntactic, and semantic analyzers** Development of a modular compiler with symbol table generation and lexical, syntactic, and semantic error detection, using Java and GitHub.

**MiniShell in C with process management and redirections** Implementation of a command interpreter with support for pipes, redirections, and process control, using C, Linux, system calls (fork, exec, pipe, wait), and Makefile.

## SKILLS

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Java / Python / C / Spring Boot / SQL / MySQL / PostgreSQL / Flutter / Unity / Docker / Git / GitLab / Packet Tracer / JSON / XML / Linux / REST / Teamwork / Troubleshooting / Independent learning

## CERTIFICATIONS

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[ Cisco Networking Academy, 09/2024 ]

**CCNA: Introduction to Networks**

**Mode of learning:** Blended

## **LANGUAGE SKILLS**

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**Other language(s):**

**English**

**LISTENING** B2 **READING** B2 **WRITING** B2

**SPOKEN PRODUCTION** B2 **SPOKEN INTERACTION** B2

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

## **DRIVING LICENCE**

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**Driving Licence:** B