

Rubén García Vilches

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WORK EXPERIENCE

Accenture

Jun. 2019 – Aug. 2019

Developer

Madrid

- Maintained a data-rich bill management tool, leveraging Python and AWS.
- Developed a solution to ensure project outputs were accurate based on real data, running automated tests in Excel using Python and Spark Hadoop to provide insights easily analyzable by non-technical roles.
- This solution was showcased in multiple high-profile client meetings to demonstrate project accuracy and quality.

Full-time internship

Mar. 2019 – May. 2019

- Supported the engineering team by resolving maintenance tickets for a near-production project deployed on AWS, using Python and PySpark.
- Enhanced team efficiency by documenting and streamlining the existing codebase, reducing the time required for future updates and feature implementations.

EDUCATION

Technical University of Madrid (UPM)

Jun. 2025

BS, Computer Engineering

Madrid

- Grades: 7.6/10 | Honors in Programming, Algorithms & Data Structures.
- Participated in the international excellence program at UPM, completing coursework primarily in English.

European Center of Professional Studies (CEEP)

Sep. 2017 – Jun. 2019

Applied Associate's Degree, Multiplatform App Development

Madrid

- Grades: 8.6/10
- Developed both local and web applications integrating database functionalities. Emphasized user experience while ensuring comprehensive coverage of project requirements as per specifications.

LANGUAGES, SKILLS & INTERESTS

- **Languages:** C1 level of English, Native Spanish.
- **Skills:** Java, Spring Boot, C#, Python, SQL, React, JS, TS, HTML, CSS, GitHub, AWS, Unity Engine.
- **Interests:** video games; weightlifting; letter writing; movies; drawing; cooking & baking; dogs;

PERSONAL PROJECTS

Notes App & Auth ❖ www.rubengv.com

- CRUD Notes App with user authentication based on tokens.
- **Frontend:** React, JS, TS, HTML and SCSS.
- **Backend:** Java, Spring Boot and PostgreSQL.
- **Deployment:** Vercel, Fly.io with Docker container and Supabase for PostgreSQL DB.

Metro Route Planner

- Used AI pathfinding to find the shortest route on a weighed graph system of all stations comprising the metro system and the time required to travel between them, using real data from the Google Maps Platform API.
- **UI:** Python PyGame to provide an intuitive visual map of the entire metro system.
- **Cloud Services:** Google Maps Platform Geocoding API