

Adriana Rupérez Arellano

Data Scientist and Engineer

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EDUCATION

B.Sc. in Data Science and Engineering

Sep. 2022 – June 2026

University Carlos III of Madrid | Madrid, Spain

- Current grade: 7.74/10.
- Pursuing UC3M's TFG Emprende (official Entrepreneurship Distinction) focused on innovation, entrepreneurship, and technology-driven final-year project development.
- Relevant coursework: Data Structures and Algorithms, Data Bases, Machine Learning I, II and Applications of Machine Learning.

International Mobility Program in Computer Science

Sep. 2024 – May 2025

Case Western Reserve University | Cleveland, USA

- Relevant coursework: Deep Generative Models, Data Mining for Big Data, Robotics, Computational Perception, and Bayesian Analysis. GPA: 3.876/4.

Technological High School

Sep. 2007 – Jun. 2022

School Miravalles-El Redín | Pamplona, Spain

- Final grade: 9.67/10. EVAU score: 13.401/14, among the highest grades in Navarre.
- Exchange year in Bayonne, France (2018–2019) and semester in Chicago, US (2016).

EXPERIENCE

Software Architect and AI Integration Intern

Jan. 2026 – Jul. 2026

Ericsson | Madrid, Spain

- Worked across the UDM and Packet Core departments within the Data Migration team, contributing to software tools for telecom data migration workflows.
- Supported software architecture, automation, and agentic AI integration for internal engineering use cases.

Freelance Mobile and Cloud Developer

Jan. 2026 – Jun. 2026

Milanes Transport | NEMT business in Florida, EEUU

- Helped design and build the company's digital ecosystem for drivers and passengers, translating operational needs into internal and customer-facing mobile products.
- Developed and published an internal driver application to the iOS and Android stores, and deployed the supporting cloud infrastructure and backend services.
- Worked on the passenger application as part of the same platform, bringing together mobile development, cloud deployment, and product delivery for day-to-day transport operations.

Data and Client Operations and Automation Support

Jun. 2023 – May 2026

Practice C.V.M. | Family real estate business

- Captured clients through property portals, showed rooms, and closed 20+ room rental contracts.
- Built a CRM and admin web platform with React and Supabase for property, tenant, and contract management.
- Automated contract generation, expiration alerts, and document workflows, including a local AI-assisted leasing process.

Ski and Leisure Instructor

Dec. 2019 – Apr. 2024

Club Pirineista Mayencos and Ski Club Noroeste | Spain

- Delivered adaptive lessons for different ages and skill levels, including beginners and students with special needs.
- Led groups of up to 10 participants and coordinated with other instructors in inclusive learning environments.

PROJECTS AND LEADERSHIP

Founder and Developer, CampusRide

Ongoing

Independent project

- Founded and developed a ridesharing mobile application for the UC3M community, building it end-to-end with Flutter, Firebase and Google Cloud Platform.
- Built and coordinated a small team of 4 to support ongoing product development, content creation, university relations, and day-to-day app operations, fostering ownership and execution standards across the project.
- Application available on iOS and Android stores and used by almost 500 students.

AI/ML Developer

September 2025 – January 2026

Curricular project with Sandoz and Universidad Carlos III de Madrid

- Built a RAG-based assistant to turn a large unstructured document base into an internal query tool for employees.
- Worked on ingestion, retrieval, topic-based routing, and OCR in Python across local and cloud-based setups.

Full Stack Developer, Open UC3M

Sep. 2025 – May 2026

University association (UC3M)

- Contributed to a university social network mobile application using React Native, Django, and Render.

Member, Coding Club

Sep. 2024 – Apr. 2025

University association (CWRU)

- Participated in the development of a marketplace app for the university using React Native and Supabase.

Other relevant projects in GitHub

- Encoder-decoder architecture for automatic radiology report generation from chest X-ray images, NEMT Android mobile app, and Milanés Transport passenger app.

TECHNICAL SKILLS

Programming and software development: Python, Agentic AI, RAG, OCR, NLP, LMStudio, RStudio (Rstan), TypeScript, React Native, Django, Node.js, Flutter (Dart), PyTorch, TensorFlow, Transformers, Scikit-learn, FastAPI, HTML, CSS, MATLAB

Databases and platforms: SQL, NoSQL, MongoDB, Supabase, Firebase, Google Cloud Platform, Azure, Neo4j, Render, Databricks, Pentaho PDI

Tools: Git/GitHub/GitLab (CI/CD), Docker, Jupyter, n8n, Excel, Microsoft 365

LANGUAGES

Spanish: Native

English: Full professional proficiency (C1)

French: Full professional proficiency (C1)

CERTIFICATIONS

- CAE C1 Advanced (Cambridge University)
- DALF C1 (France Éducation Internationale)
- Level 1 Sports Technician (Tandem)
- Diplôme National du Brevet (Ministère de l'Éducation Nationale Française)