Adrián Sánchez Carrión

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Personal Details

I am a charismatic and organized person, qualities I strive to apply in both my personal and professional life. I have always been fascinated by how data, when properly analyzed, can solve complex problems and be helpful in many different areas. I enjoy practicing sports and exploring my creative side through photography, where I try to capture unique details in everyday life. Connecting with people from different cultures and learning from their perspectives is something I value, always seeking new challenges that help me grow both technically and personally.

Education

Diploma of Expert in Advanced Machine Learning in Python Nov. 2024 – Jun. 2025
University of Malaga *(8 months) Malaga, Spain*

Master's Degree in Data Science and Computer Science Sep. 2024 – Dec. 2025
University of Granada *(1 year, 3 months) Granada, Spain*

Acceleration of Professional Skills Program Nov. 2022 – May 2023
Talent Incubator of the University of Granada *(7 months) Granada, Spain*

Bachelor's Degree in Statistics (Erasmus+ Program) Sep. 2021 – Jul. 2022
University of Padua *(11 months) Padua, Italy*

Bachelor's Degree in Statistics Sep. 2019 – Jun. 2023
University of Granada *(4 years) Granada, Spain*

Cultural Exchange and Immersion Program Apr. 2018 – May. 2018
Brighton College *(1 month) Brighton, England*

Experience

Bioinformatics Developer – JAE Intro ICU Apr. 2025 – Present
López-Neyra Institute of Parasitology and Biomedicine - CSIC *(≈ 1 year) Granada, Spain*

- **Design of modular system** for automated bioinformatics reports.
- **Workflow automation** with Quarto, R, HTML, CSS, and Nextflow.
- **Integration with Apptainer, Docker, HPCs and cloud platforms**.
- **Interactive data visualization** using D3.js for dynamic and customizable charts.
- **Application of NLP techniques** for automatic summaries (Python, JavaScript).

Clothing Store Clerk Feb. 2023 – May 2023
Ginger Vintage *(4 months) Granada, Spain*

- Provided **personalized customer service**, helping with clothing selection and preferences.
- Managed **cash, inventory, and maintained store organization** and visual appeal.

Private Teacher Jun. 2019 – Aug. 2023
Freelance *(4 years, 2 months) Beas de Segura, Spain*

- Taught **mathematics, physics, economics, and computer science** to students online.
- Conducted reinforcement **classes at Beas de Segura Institute** for students.

Event & Restaurant Server May 2018 – Present
Hotel Avenida *(+ 6 years) Beas de Segura, Spain*

- Attended **daily bar, terrace, restaurant, and hotel** service.
- Organized, coordinated, and served at **large events** like **weddings, catering, and banquets**.

Seasonal Olive Harvester Dec. 2017 – Jan. 2024
Self Employed *(6 years, 2 months) Beas de Segura, Spain*

- Participated in olive production through **pruning, care, and maintenance tasks**.
- Performed **manual and mechanized collection** during the olive harvest season.

Skills & Knowledge

🚩 **Languages:** **Spanish (Native)**, **Italian (C1)**, **English (B2)**, French (Basic).

👥 **Soft Skills:** **Effective communication**, **Collaborative work**, **Critical thinking**, **Proactivity**, **Leadership**, **Empathy**, Creativity, Analytical skills, Resilience, Perseverance.

⚙️ **Technical Skills:** **Statistics**, **Data mining**, **Artificial Intelligence**, **Machine Learning**, **Bioinformatics**, NLP, Report automation, Data visualization, Cloud Computing, Photography, Editing.

</> **Programming:** **R**, **Python**, **C++**, **SQL**, **Mathematica**, HTML, CSS, JavaScript, LaTeX, Markdown, R Markdown, Quarto, Jupyter Notebooks, Pig, Impala, **D3.js**, **Git**, **Apptainer**, MongoDB.

📈 **Data Science:** **NumPy**, **Pandas**, **Matplotlib**, **Seaborn**, **Scikit-learn**, **OpenCV**, **spaCy**, **Docker**, **Nextflow**, **Omics Pipelines**, Interactive visualization, Regression, Classification, Clustering, Anomaly detection.

🛠️ **Programs:** **RStudio**, **SPSS**, **Visual Studio Code**, **Google Colab**, **GitHub**, **Wolfram Mathematica**, **Gephi**, **VirtualBox**, Jamovi, **Microsoft Office**, **Microsoft Azure**, Adobe Suite, DaVinci Resolve, Canva.

🖥️ **Operating Systems:** MacOS, Windows, Ubuntu, Guadalinex.

Volunteering

Social and Cultural Events Organizer   Jun. 2024 – Aug. 2024
European Solidarity Corps at Associazione Kora   *(2 months) Passignano sul Trasimeno, Italy*

- **Organization of events** in an **international environment** to foster **cultural exchange**.
- **Environmental education** and workshops on **sustainability**, food awareness, and European traditions.
- **Documentation and dissemination** of activities through **photography, video, and social media**.

Student Services Coordinator   Nov. 2021 – Jul. 2022
Erasmus Student Network of Padua   *(9 months) Padua, Italy*

- **Facilitation of social and cultural integration** for Erasmus students through activities.
- **Organization of cultural events** and workshops to promote intercultural exchange.
- **Guidance and practical support** for international students in their adaptation process.

Courses and Certifications

C1 Certificate in Italian Language (CELI 4)   Nov. 2024
Università per Stranieri di Perugia   *Málaga, Spain*
MOOC in Machine Learning and Big Data for Bioinformatics   May. 2024
University of Granada   *Granada, Spain*
RBG Master in Photography and Videography   Feb. 2024
RBG School   *Madrid, Spain*
B2 Integrated Skills in English (ISE II)   Oct. 2021
Trinity College London   *Beas de Segura, Spain*
Driving License (B)   Sep. 2020
Spanish Directorate-General for Traffic   *Úbeda, Spain*

Projects

MSc Thesis - GenoScribe: Intelligent Bioinformatics Reporting System   Apr. 2024 – Dec. 2025
University of Granada · IPBLN (CSIC)   *(8 months) Granada, Spain*

- Design of a **modular tool** for **automated** and **interactive reports** in **omics pipelines**.
- Integration with **Quarto**, **R**, **HTML**, **CSS**, **Apptainer**, **Docker**, and **cloud platforms**.
- **Data visualization** and **automatic summarization** through **NLP** (**Python** & **JavaScript**).

BSc Thesis - Six Sigma Methodology for Quality Improvement   Dic. 2022 – Jun. 2023
University of Granada · El Olivar Bakery   *(7 months) Granada, Spain*

- Analysis of the **Six Sigma methodology** and its **application** to enhance quality in organizations.
- Implementation via the **DMAIC process**, improving quality from 2σ **to** 5σ.
- Conclusion: combining **Six Sigma** with **Lean Manufacturing** boosts **efficiency** and **profitability**.

Achievements

- **Awarded a JAE Intro ICU research grant by CSIC** for bioinformatics work at the IPBLN.
- **Top academic record of the Bachelor's Degree in Statistics** class of 2019/2023.
- **Among the 20 top academic records at the University of Granada**, recognized by the Chair of Talent.