



Adrián Sánchez Carrión

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31/10/2001 | Spanish

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

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| Diploma of Expert in Advanced Machine Learning in Python <i>University of Malaga</i> | Nov. 2024 – Present <i>Malaga, Spain</i> |
| Master's Degree in Data Science and Computer Science <i>University of Granada</i> | Sep. 2024 – Present <i>Granada, Spain</i> |
| Acceleration of Professional Skills Program <i>Talent Incubator of the University of Granada</i> | Nov. 2022 – May 2023 <i>(7 months) Granada, Spain</i> |
| Bachelor's Degree in Statistics (Erasmus+ Program) <i>University of Padua</i> | Sep. 2021 – Jul. 2022 <i>(1 year) Padua, Italy</i> |
| Bachelor's Degree in Statistics <i>University of Granada</i> | Sep. 2019 – Jun. 2023 <i>(4 years) Granada, Spain</i> |
| Cultural Exchange and Immersion Program <i>Brighton College</i> | Apr. 2018 – May. 2018 <i>(1 month) Brighton, England</i> |

EXPERIENCE

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| Bioinformatician - Automated and Reproducible Reports <i>López-Neyra Institute of Parasitology and Biomedicine - CSIC</i> | Apr. 2025 – Present <i>Granada, Spain</i> |
| <ul style="list-style-type: none">Design of modular system for automated bioinformatics reports.Workflow automation with Quarto, R Markdown, and Jupyter Notebooks.Integration with Apptainer and cloud platforms (Picasso, Finisterrae III).Interactive data visualization using D3.js for dynamic and customizable charts.Application of NLP techniques (spaCy, HuggingFace) for automatic summaries. | |
| Clothing Store Clerk <i>Ginger Vintage</i> | Feb. 2023 – May 2023 <i>(4 months) Granada, Spain</i> |
| <ul style="list-style-type: none">Provided personalized customer service, helping with clothing selection and preferences.Managed cash, inventory, and maintained store organization and visual appeal. | |
| Private Teacher <i>Go Student & IES Sierra de Segura</i> | Jun. 2019 – Aug. 2023 <i>(4 years, 2 months) Beas de Segura, Spain</i> |
| <ul style="list-style-type: none">Taught mathematics, physics, economics, and computer science to students online.Conducted reinforcement classes at Beas de Segura Institute for students. | |
| Event & Restaurant Server <i>Hotel Avenida</i> | May 2018 – Present <i>(+ 6 years) Beas de Segura, Spain</i> |
| <ul style="list-style-type: none">Attended daily bar, terrace, restaurant, and hotel service.Organized, coordinated, and served at large events like weddings, catering, and banquets. | |
| Olive Picker <i>Santa Teresa de Jesús Cooperative</i> | Dec. 2017 – Jan. 2024 <i>(6 years, 2 months) Beas de Segura, Spain</i> |
| <ul style="list-style-type: none">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: Intelligent Bioinformatics Reporting System** Apr. 2024 – Present
University of Granada · IPBLN (CSIC) Granada, Spain
- Design of a **modular tool** for **automated and interactive reports** in **omics pipelines**.
 - Integration with **Quarto, R Markdown, Jupyter, Apptainer, and cloud platforms**.
 - **Data visualization** using **D3.js** and **automatic summarization** through **NLP tools**.
- 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.