



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
<i>University of Málaga</i>	(8 months) <i>Málaga, Spain</i>
Master's Degree in Data Science and Computer Science	Sep. 2024 – Dec. 2025
<i>University of Granada</i>	(1 year, 3 months) <i>Granada, Spain</i>
Acceleration of Professional Skills Program	Nov. 2022 – May 2023
<i>Talent Incubator of the University of Granada</i>	(7 months) <i>Granada, Spain</i>
Bachelor's Degree in Statistics (Erasmus+ Program)	Sep. 2021 – Jul. 2022
<i>University of Padua</i>	(11 months) <i>Padua, Italy</i>
Bachelor's Degree in Statistics	Sep. 2019 – Jun. 2023
<i>University of Granada</i>	(4 years) <i>Granada, Spain</i>
Cultural Exchange and Immersion Program	Apr. 2018 – May. 2018
<i>Brighton College</i>	(1 month) <i>Brighton, England</i>

EXPERIENCE

Bioinformatics Developer	Apr. 2025 – Present
<i>López-Neyra Institute of Parasitology and Biomedicine - CSIC</i>	(≈ 1 year) <i>Granada, Spain</i>
<ul style="list-style-type: none">JAE Intro ICU Fellowship at CSIC for the development of bioinformatics solutions.Design of a modular system for automated bioinformatics report generation.Workflow automation using Quarto, R, HTML, CSS, and Nextflow.Integration with Apptainer, Docker, HPCs, and cloud platforms.Interactive data visualization through D3.js for dynamic and customizable charts.Application of NLP techniques for automatic summary generation (Python, JavaScript).	
Restaurant Server	Aug. 2024 – Sep. 2024
<i>Pizzería Paradís</i>	(2 months) <i>L'Estartit, Spain</i>
<ul style="list-style-type: none">Service for an international clientele in bar and table settings.Simultaneous operational coordination across three restaurants within the same group.	
Clothing Store Clerk	Feb. 2023 – May 2023
<i>Ginger Vintage</i>	(4 months) <i>Granada, Spain</i>
<ul style="list-style-type: none">Personalized customer service, including guidance on clothing selection and preferences.Cash handling, inventory management, and maintenance of store organization and visual appeal.	
Private Teacher	Jun. 2019 – Aug. 2023
<i>Freelance</i>	(4 years, 2 months) <i>Beas de Segura, Spain</i>
<ul style="list-style-type: none">Delivery of online classes in mathematics, physics, economics, and computer science.Provision of reinforcement classes at Beas de Segura Institute for students.	
Event & Restaurant Server	May 2018 – Present
<i>Hotel Avenida</i>	(+ 6 years) <i>Beas de Segura, Spain</i>
<ul style="list-style-type: none">Provision of daily service for bar, terrace, restaurant, and hotel operations.Organization, coordination, and service at large events such as weddings, catering, and banquets.	

SKILLS & KNOWLEDGE

- 🚩 **Languages:** Spanish (Native), Italian (C1), English (B2), French (Basic).
- 👤 **Soft Skills:** Effective communication, Teamwork, Critical thinking, Proactivity, Leadership, Empathy, Creativity, Analytical skills, Resilience, Perseverance.
- ⚙️ **Technical Skills:** Statistics, Data mining, Artificial Intelligence, Machine Learning, Bioinformatics, Natural Language Processing, Automated report generation, Data visualization, Photography, Editing.
- 💻 **Programming:** R, Python, C++, Bash, SQL, Mathematica, HTML, CSS, JavaScript, D3.js, LaTeX, Markdown, R Markdown, Quarto, Jupyter Notebooks, Pig, Impala, Git.
- 📊 **Data Science:** NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, OpenCV, spaCy, Regression, Classification, Clustering, Interactive visualization, Omics pipelines, Docker, Nextflow, Apptainer.
- 🛠 **Software:** 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 <i>European Solidarity Corps at Associazione Kora</i>	Jun. 2024 – Aug. 2024 (2 months) <i>Passignano sul Trasimeno, Italy</i>
<ul style="list-style-type: none">• 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 <i>Erasmus Student Network of Padua</i>	Nov. 2021 – Jul. 2022 (9 months) <i>Padua, Italy</i>
<ul style="list-style-type: none">• 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) <i>Università per Stranieri di Perugia</i>	Nov. 2024 <i>Málaga, Spain</i>
MOOC in Machine Learning and Big Data for Bioinformatics <i>University of Granada</i>	May. 2024 <i>Granada, Spain</i>
RBG Master in Photography and Videography <i>RBG School</i>	Feb. 2024 <i>Madrid, Spain</i>
B2 Integrated Skills in English (ISE II) <i>Trinity College London</i>	Oct. 2021 <i>Beas de Segura, Spain</i>
Driving License (B) <i>Spanish Directorate-General for Traffic</i>	Sep. 2020 <i>Úbeda, Spain</i>

PROJECTS

MSc Thesis - GenoScribe: Intelligent Bioinformatics Reporting System <i>University of Granada · IPBLN (CSIC)</i>	Apr. 2024 – Dec. 2025 (8 months) <i>Granada, Spain</i>
<ul style="list-style-type: none">• 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 Methodol. for Product Quality Improvement <i>University of Granada · El Olivar Bakery</i>	Dic. 2022 – Jun. 2023 (7 months) <i>Granada, Spain</i>
<ul style="list-style-type: none">• 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

- Author of a book on quality improvement using the Six Sigma methodology.
- Outstanding academic record in the Bachelor's Degree in Statistics (2019–2023).
- Recognition among the top 20 academic records at the University of Granada by the Chair of Talent.