



# 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

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

## EXPERIENCE

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

## SKILLS & KNOWLEDGE

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- 🚩 **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

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<b>Social and Cultural Events Organizer</b> <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"><li>• Organization of events in an international environment to foster cultural exchange.</li><li>• Environmental education and workshops on sustainability, food awareness, and European traditions.</li><li>• Documentation and dissemination of activities through photography, video, and social media.</li></ul>	

  

<b>Student Services Coordinator</b> <i>Erasmus Student Network of Padua</i>	Nov. 2021 – Jul. 2022 (9 months) <i>Padua, Italy</i>
<ul style="list-style-type: none"><li>• Facilitation of social and cultural integration for Erasmus students through activities.</li><li>• Organization of cultural events and workshops to promote intercultural exchange.</li><li>• Guidance and practical support for international students in their adaptation process.</li></ul>	

## COURSES AND CERTIFICATIONS

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

## PROJECTS

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<b>MSc Thesis - GenoScribe: Intelligent Bioinformatics Reporting System</b> <i>University of Granada · IPBLN (CSIC)</i>	Apr. 2024 – Dec. 2025 (8 months) <i>Granada, Spain</i>
<ul style="list-style-type: none"><li>• Design of a modular tool for automated and interactive reports in omics pipelines.</li><li>• Integration with Quarto, R, HTML, CSS, Apptainer, Docker, and cloud platforms.</li><li>• Data visualization and automatic summarization through NLP (Python &amp; JavaScript).</li></ul>	

  

<b>BSc Thesis - Six Sigma Methodology for Quality Improvement</b> <i>University of Granada · El Olivar Bakery</i>	Dic. 2022 – Jun. 2023 (7 months) <i>Granada, Spain</i>
<ul style="list-style-type: none"><li>• Analysis of the Six Sigma methodology and its application to enhance quality in organizations.</li><li>• Implementation via the DMAIC process, improving quality from <math>2\sigma</math> to <math>5\sigma</math>.</li><li>• Conclusion: combining Six Sigma with Lean Manufacturing boosts efficiency and profitability.</li></ul>	

## ACHIEVEMENTS

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- 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.