

Ramón Sánchez Baquedano

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Summary

AI Engineer specialized in Large Language Models, multi-agent system architecture, and vision models (segmentation, OCR). Experienced in building agentic frameworks for report automation and academic applications, with additional interest in economic complexity.

Experience

CDIA (Centro de Datos e Inteligencia Artificial, UdeC), AI Engineer

- **Python | LLMs | AI Agents | MCP**
- Developing AI solutions in projects with industry partners.
- Building MCP (Model Context Protocol) servers that connect AI agents to tools and data.
- Researching agent harnesses for cybersecurity and agents for data collection.

Concepción, Chile
Sept 2026 – present
2 months

Pontificia Universidad Católica de Chile, Research Assistant

- **Python | LLMs | Vision Models | Social Media Data**
- Project funded by the Research for Innovative Food Policy Fund of the UNC Global Food Research Program.
- Conducting research using large language models to identify child behavior associated with ultra-processed food on social media.
- Processed over 30,000 social media videos and more than 100,000 frames through multi-agent pipelines.
- Developed self-consistency and confidence-weighted voting workflows to improve labeling reliability.

Santiago, Chile
Aug 2026 – present
3 months

Streamdata, AI Engineer

- **Python | Django | LLMs | Docker | Coolify**
- Developed automation of predefined reports.
- Developed hierarchical memory for agents.
- Built a feature for data exploration and analysis to support onboarding processes.

Concepción, Chile
Apr 2026 – July 2026
4 months

Universidad de Concepción, Research Fellow in Artificial Intelligence

- **Python | LLMs**
- Developing and researching a project to make the academic journey easier for students, using large language models and building different frameworks with data from the university.

Concepción, Chile
Apr 2025 – Dec 2025
9 months

Streamdata, GenAI Intern

- **Python | Django | LLMs**
- Improved AI agent reliability and task performance by closing the semantic gap and building self-learning loops from tool and data ecosystems.

Concepción, Chile
Dec 2025 – Feb 2026
3 months

AI World / CEPS (Centre for European Policy Studies), Data Scientist Intern

- **Python | Pandas | LLMs | OCR | Web Scraping**
- Mapped startups and scientific research in artificial intelligence, sourced from conferences such as NeurIPS and from multiple venture capital firms.
- Consolidated data using LLMs, OCR, and scraping tools for data collection within the Data Science Unit at CEPS.

Brussels, Belgium
Sept 2025 – Jan 2026
5 months

Universidad de Concepción, Teaching Assistant in Multivariate Statistical Analysis

- **Python | Scikit-learn**
- Conducted practical sessions covering data manipulation exercises and regression models in Python.

Concepción, Chile
Mar 2025 – July 2025
5 months

Universidad de Concepción, Teaching Assistant in Multivariate Statistical Analysis

- **Python | Scikit-learn**
- Conducted practical sessions including applied analysis such as linear regression, factor analysis, and discriminant analysis.

Concepción, Chile
Mar 2024 – July 2024
5 months

Technovation Girls Chile, Project Tutor

- Guided and supported girls between 5 and 10 years old in developing projects focused on creating value through technological tools in education.

Concepción, Chile
Jan 2023 – Feb 2023
2 months

Education

BSc **Universidad de Concepción**, Industrial Engineering

- **Thesis:** Use of Large Language Models to Create and Stress Public Policy: An Economic Complexity Approach.
- Awarded the maximum grade (7.0/7.0) for the thesis.

Concepción, Chile
Mar 2021 – July 2026