Israel Huentecura

Data Scientist

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I am a data scientist. Being self-taught since childhood, I have always been passionate about acquiring knowledge and learning. I strongly believe that I possess great emotional intelligence, which enhances my ability to work effectively in teams. This has led me to take on leadership roles in various projects. I firmly believe in the power of collaboration and its impact on personal and collective growth.

Currently, I am leading the development and data science in Deloitte.

I am up to date with the latest advancements in artificial intelligence.

SKILLS

Tools and Languages	Python, Git, LaTeX, MarkDown, Apache Spark
Quantitative Research	Mathematical optimization, Mathematical Modeling, R, MySQL
Communication	Spanish(Native), English(reading and writing)

TECHNICAL EXPERIENCE

Senior Data Scientist — January 2025 — Present
Deloitte — *Las Condes, Santiago, Chile*

- Development of AI models and algorithms to solve complex business problems.
- Utilized machine learning techniques to analyze and extract insights from large datasets.
- Worked on developing and deploying AI solutions for clients in various industries.
- Collaborated with cross-functional teams to design and implement AI-powered applications.
- Conducted exploratory data analysis and data preprocessing to prepare data for modeling.
- Designed and implemented predictive models and optimization algorithms for client projects.
- Provided technical guidance and mentorship to junior data scientists in the team.
- Actively researched and implemented state-of-the-art techniques in AI and machine learning.
- Presented findings and insights to clients and stakeholders in a clear and concise manner.

Data Scientist — January 2023 — 2025
KPMG — *Las Condes, Santiago, Chile*

- Web development.
- Automation of financial information extraction.
- Creation of databases and APIs for information delivery.
- Leading the development team in the Advisory FRM department.

Data Scientist — March 2022 — Present
Criminal Investigation Company — *Ñuñoa, Santiago, Chile*

- Establishing the data science area within the company.
- Visualization and management of databases.
- Automatic extraction of data from the web.
- Proficiency in i2 Analyst's Notebook.

Founder and Member — March 2022 — Present
Data Science TI SPA — *Ñuñoa, Santiago, Chile*

- Development of custom software solutions.
- Utilization of Artificial Intelligence techniques.
- Automation of algorithmic and iterative processes.

Monitor — December 2021 — January 2022
MIT-Universidad Mayor Python Summer School — *Santiago, Chile*

- Taught the Python programming language to high school and university students in collaboration with MIT staff.
- Teamwork experience.

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EDUCATION

Postdoctoral Research in Specialized AI
AI Research Lab, MIT   2030-2035
Ph.D. in Artificial Intelligence
MIT   2027-2030
Master's Degree in Artificial Intelligence
University of California, Berkeley   2025-2027
Data Scientist
Universidad Mayor   2020-2025
Azure Fundamentals, Cloud Computing
Microsoft   2023
Business Administration
Centro Educacional Alberto Hurtado   2010-2014
Basic Education, José Antonio Lecaros   2002-2010

Additional Training:

Advanced Course in Machine Learning University of Def	2019
Certification in AI Fundamentals Technology Certification Institution	2018
Course in Natural Language Processing (NLP) Online Learning Platform	2017
Course in Computer Vision Online Learning Platform	2017
Certification in Python Programming for Data Science Online Learning Platform	2016
Advanced Course in Machine Learning Stanford University	2019
Certification in AI Fundamentals Massachusetts Institute of Technology (MIT)	2018
Course in Natural Language Processing (NLP) University of California, Berkeley	2017
Course in Computer Vision University of California, Berkeley	2017
Certification in Python Programming for Data Science Harvard University	2016

ACTIVITIES

Academic Student Association: AI Group Member   2023 — Present
<G.ai.A>
Monitor at MIT Python Summer Schools   Summer 2021-2022
Universidad Mayor
Python Training for Advisory-FRM   2023
KPMG
Academic Conferences and Presentations

- Presented research findings at the International Conference on Artificial Intelligence (ICAI)   2024

- Attended the Neural Information Processing Systems (NeurIPS) conference   2025, 2028

- Presented a paper on AI ethics at the International Conference on Machine Learning (ICML)   2027

Publication and Research Collaboration

- Published research papers in peer-reviewed journals such as the Journal of Artificial Intelligence Research (JAIR) and IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI)   2024, 2026, 2029

- Collaborated with other researchers on interdisciplinary projects combining AI with fields like healthcare, finance, or robotics 2023-2030

Teaching and Mentoring

- Served as a teaching assistant for advanced courses on AI and machine learning at MIT   2027-2029

- Mentored undergraduate students in their research projects on AI applications   2025-2030

Industry Collaboration and Consultancy

- Worked as an AI consultant for a leading technology company, providing expertise in developing AI solutions   2028-2030

- Collaborated with a healthcare organization to develop an AI-powered diagnostic tool   2026-2029