Sebastián Ignacio Urbina Gajardo

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LinkedIn — Github

EDUCATION

University of Chile — Santiago, Chile
MSc in Data Science; GPA: 6.7/7.0 — *2023 - 2024*
- Relevant Coursework: Natural Language Processing, Deep Learning, Geospatial Data Science, Databases, Data Mining.

University of Chile — Santiago, Chile
BSc in Industrial Engineering; GPA: 6.4/7.0 — *2018 - 2024*
- Best Graduate of the Year 2024 (1/244)
- Relevant Coursework: Probability and Statistics, Modeling and Optimization, Operations Research, Business Analytics, Marketing II.

PROGRAMMING SKILLS

- **Languages:** Python, R, JavaScript, TypeScript, HTML, SQL, LaTeX
- **Cloud & DevOps:** AWS (Lambda, ECS, ECR, Step Functions, S3, RDS, DynamoDB, IAM), Docker
- **Technologies and Frameworks:** React, FastAPI, Github, Bitbucket.

EXPERIENCE

Entel — Santiago, Chile
Data Scientist Specialist (AI Engineer) — *April 2024 - Present*
- Lead the development of SinfonIA, an AI-driven tool that enables business areas to extract insights from unstructured data and generate new metrics to monitor key aspects such as customer satisfaction and adherence.
- Designed a Speech-to-Text pipeline on AWS (S3, ECS, Lambda, Step Functions), achieving 50x costs compared to closed solutions while maintaining scalability.
- Designed and implemented a CI/CD workflow in Bitbucket, automating the deployment of Docker images to Amazon ECR, eliminating manual processes, and significantly improving deployment efficiency.

Entel — Santiago, Chile
Data Scientist — *August 2023 - March 2024*
- Developed a clustering-based anomaly detection system for telecom antennas, identifying more than 50 antennas outliers.
- Developed a novel indicator to quantify customer experience using quality and coverage metrics by processing 100M+ data points in AWS, incorporating geospatial analysis.
- Built a customer segmentation model (Random Forest) based on mobile network quality indicators, reducing data processing by over +90% through feature selection while maintaining predictive performance.

PROJECTS

- Expense Tracker Bot: Built a serverless Telegram bot using AWS Lambda, DynamoDB, and Google Sheets API to automate expense tracking, handling 1,000+ transactions.
- Whisper APP: A streamlit app to utilize the open-source speech-to-text model developed by OpenAI for transcribing audio files.

CERTIFICATIONS

- **AWS Certified Solutions Architect**(Expected 2025)
- **Meta**: Introduction to Front-End Development
- **DeepLearning.AI**: LangChain with Your Data
- **Coursera**: Sequence Models
- **Coursera**: Convolutional Neural Networks
- **Huawei**: Seeds for the future program
- **HardvardX**: Exercising Leadership: Foundational Principles
- **University of Chicago**: AI and Data Science for Leaders
- **Coursera**: Improving Deep Neural Networks
- **Coursera**: Neural Networks and Deep Learning
- **University of Helsinki**: Certificate of Completition: Elements of IA

TEACHING/LEADERSHIP EXPERIENCE

- **Teaching Assistant, University of Chile**; I served as a teaching assistant for the following courses: Data Analysis and Causal Inference, Introduction to Deep Learning, Finance II & Seminar of Thinking.
- **Seeds for the Future, Huawei**; One of the 50 chosen by Huawei to participate in the Seeds for the future program in the creation of technology-based solutions.
- **Neighborhood Secretary, Huapi**; I Served as Secretary of the Neighborhood Association in my residential area.