Sebastián Ignacio Urbina Gajardo

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EDUCATION

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

University of Chile
BSc in Industrial Engineering; GPA: 6.4/7.0
Santiago, Chile
2018 - 2024
- Oustanding student: 2018, 2019, 2020, 2021 & 2022.
- Relevant Coursework: Probability and Statistics, Modeling and Optimization, Operations Research, Business Analytics, Marketing II.

PROGRAMMING SKILLS

- **Languages**: Python, R, JavaScript, TypeScript, HTML, SQL, LaTeX
- **Technologies and Frameworks**: AWS, Azure, GCP, Github, Bitbucket.

EXPERIENCE

Entel
Data Scientist Specialist (AI Engineer)
Santiago, Chile
April 2024 - Present
- Led and managed cross-functional teams in Generative AI projects, collaborating with business units to define technical requirements and deliver impactful AI solutions.
- Developed and deployed a Speech-to-Text architecture on AWS using services such as S3, ECS, Lambda, and Step Functions, achieving a solution that is up to 20 times more cost-effective than other market alternatives, without compromising on quality or scalability.
- Built a chatbot using Retrieval-Augmented Generation (RAG) architecture to answer questions based on documents hosted on AWS, leveraging services such as ECS, RDS and Lambda for seamless integration and scalability.

Entel
Data Scientist
Santiago, Chile
August 2023 - March 2024
- Developed a methodology using clustering to identify antennas exhibiting anomalous energy consumption.
- Developed a novel indicator to quantify customer experience using quality and coverage metrics by processing hundreds of millions of data points, incorporating geospatial analysis.
- Trained a random forest model to clasify customers based on quality indicatores of their mobile phone.

PROJECTS

- Expense Tracker Bot Designed and implemented a serverless Telegram bot leveraging AWS Lambda, DynamoDB, and the Google Sheets API to automate expense tracking and seamless data updates in Google Sheets.
- Ask-to-me A Chatbot created in Streamlit to answer questions about my CV using Llama-Index and ChatGPT.
- Whisper APP A streamlit app to utilize the open-source speech-to-text model developed by OpenAI for transcribing audio files.

CERTIFICATIONS

- **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 Compl/etition: 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.