SEBASTIAN TARE

Chile ⋄ Región del Bío-Bío, Concepción

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EDUCATION

Universidad del Bío-Bío   *2017, 2018*
Software Engineer Degree (2017)
Computer Science Master Course (2018)

EXPERIENCE

Freelance   2023
Junior Data Scientist   *Online*

- Proficiently employed Beautiful Soup and Selenium for web scraping, extracting valuable data from diverse online sources.
- Demonstrated strong Python and Pandas skills, creating custom scraping scripts and data processing pipelines.
- Conducted exploratory data analysis (EDA) to identify hidden trends and patterns, delivering valuable insights to clients.
- Utilized SQL and Excel for data management, enabling advanced queries and enhancing data analysis.
- Performed statistical analysis, A/B testing, and market basket analysis, facilitating informed decision-making.

Architecture Department UBB   2022
Freelance Developer   *Concepción*

- Developed a custom form application using React Native and Firebase to facilitate research on the impact of architecture on students' performance in schools.
- Leveraged React Native to create a cross-platform solution, ensuring compatibility with both iOS and Android devices.
- Integrated Firebase for real-time data storage and synchronization, enabling seamless collaboration and data access for researchers.

Focoosin   2019
Freelance Web Developer   *San Francisco, CA*

- Collaborated as a front-end developer in a project, showcasing expertise in React to enhance the user interface and overall user experience.
- Proactively identified and resolved errors encountered in the Django API, improving the project's performance and reliability.
- Contributed to a seamless integration of front-end and back-end technologies, fostering better communication and collaboration within the development team.

Supervigilancia ltda.   2018-2022
Junior Software Engineer   *San Pedro de la Paz*

- Designed and implemented a comprehensive automated security system for apartments, spanning four years of dedicated work.
- Leveraged cutting-edge technologies to integrate IoT devices, SIP phones, and a client app into the system, enhancing its capabilities and functionality.
- Successfully reduced operational costs by eliminating the need to hire 24/7 porters while concurrently improving security measures.
- Designed a sophisticated dashboard exclusively for operators, facilitating efficient monitoring and control of the security system.

- Collaborated with cross-functional teams to deploy the system into production, ensuring seamless integration and optimal performance.
- Conducted rigorous testing and quality assurance, guaranteeing the system's robustness and dependability.
- Achieved heightened security levels, assuring clients of the safety of their properties and enhancing overall peace of mind.
- Maintained continuous monitoring of the system to promptly address any issues or enhancements, contributing to ongoing system improvement and client satisfaction.

3SOFT ltda.   2016,2017
Practices   *San Pedro de la Paz*

- Collaborated as a practitioner at a business, actively contributing to the development of a car plate recognition system using OpenCV on Raspberry Pi.
- Designed and implemented a system for displaying real-time information in a remote plant with limited internet access, utilizing a slow internet connection via an antenna.
- Developed a server-side service for daily data updates, enabling remote plant workers to access critical information via an interactive touch screen.
- Overcame connectivity challenges to ensure seamless data transmission and information updates, improving overall plant efficiency.
- Demonstrated adaptability and problem-solving skills while working on innovative projects to address unique business needs.
- Gained valuable hands-on experience and skills in computer vision, IoT, and remote data communication during the practical engagement.

TECHNICAL STRENGTHS

Computer Languages	Python, Javascript, C++, C#, Java, SQL
Skills	Data Cleaning, Statistical Analysis, Web Scrapping, Data Analysis, Data Visualization, Feature Engineering, Machine Learning, Big Data, AWS,
Tech	Linux, Docker, Tableau, PyTorch, Numpy, Pandas, Git, React, NodeJS, Matplotlib, Selenium, Scikit-learn, PySpark, Airflow, LightGBM, XGBoost.
Languages	Spanish, English

PROJECTS

News Summary App

- Developed a time-saving tool for news article summarization.
- Employed Huggingface and PyTorch for summarization and sentiment analysis in the pipeline.
- Created a Selenium web scraper for real-time news collection.
- Integrated web scraping, summarization, and NLP models using Airflow.

Metals Forecasting

- Scrapped precious metals data (silver, gold, copper, etc).
- Trained several models for each CV and metal, using 10 years of data with LightGBM.
- Created pipeline for time series forecasting.