**Cristóbal Torres Rojas**

**Data Scientist**

ctorres.ai@hotmail.com - (+56) 9 7888 4330 - Valparaíso, Chile

**ABOUT ME**

Data Scientist with a strong background in mathematics and over 2 years of expertise in developing AI models using Python. Proven ability to transform complex data into actionable insights to solve real-world problems.

**MOST RECENT WORK EXPERIENCE**

**Data Scientist – DataQu**

[2022 – Present]

* **Vehicle Pricing Model**: Developed using NumPy, SciPy, Pandas and Scikit-learn, integrated into a web app to optimize buy/sell prices.
* **Political and Social Analysis**: Automatic generation of reports for media outlets, using social media scraped data and Natural Language Models.
* **Mining Optimization**: Created and integrated a recommendation system for key variables to improve copper recovery, using Stochastic Simulations to evaluate different mineralogical scenarios and Matplotlib/Seaborn for visualization.
* **AI Model for Workplace Accidents**: Developed and implemented a Large Neural Network using PyTorch and HuggingFace, to identify competencies in port accidents, in collaboration with a certification company.

**Data Scientist - Independent**

[2020 – Present]

* **Product Recommendation System**: Developed a recommendation system for an e-commerce platform using text-to-vector algorithms.
* **Skin Cancer Detection**: Currently developing an AI model for early detection of skin cancer through medical images using Large Image Models with OpenCV.

**EDUCATION**

**Master’s degree in mathematics – PUCV** [2018 – 2020]

**Bachelor’s degree in mathematics – PUCV** [2013 – 2017]

**SKILLS**

|  |  |  |
| --- | --- | --- |
| ~ Python | ~ Data Analysis | ~ Machine Learning |
| ~ SQL | ~ Data Visualization | ~ Artificial Intelligence |
| ~ NoSQL | ~ Text Mining | ~ Deep Learning |
| ~ Git | ~ Web Scraping | ~ Large Language Models |