

Felipe Cisternas Alvarez

Computer Science Engineer

Computer Science and Engineering Student of Federico Santa Maria University, Chile. Experienced development with Python especially in the area of Machine Learning and Data Science.

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📍 Chile

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🐙 github.com/ftcister

EDUCATION

M.Sc in Computer Science

Universidad Técnica Federico Santa María

01/2023 - Present

Valparaíso, Chile

B.S in Computer Science & Engineering

Universidad Técnica Federico Santa María

01/2018 - 12/2022

Valparaíso, Chile

WORK EXPERIENCE

Data Scientist

Digevo

07/2022 - Present

Santiago, Chile

Digevo are pioneers in innovation and digital transformation with more than 20 years of experience.

Achievements/Tasks

- Works with Reinforcement Learning (OpenAI Baselines) to develop a Deep Learning Model (ACER) that helps the journey of the Startups, recommending optimal business actions according to their status.
- Model and predict customer churn from the company's products.
- Conduct analyses, presentations and dashboards on product usability and performance.

Data Scientist

MyFuture-AI

07/2021 - 12/2021

Santiago, Chile

MyFuture-AI helps to incorporate Artificial Intelligence into the reality of your business

Achievements/Tasks

- Work on Computer Vision to Develop a Deep Learning Object Detection model (YOLOv4) to recognize four different recycling materials in images.
- Work on Natural language processing (NLP) to Develop a Named Entity Recognition (NER) model based on Transformers architecture (BERT) to extract relevant information from invoices, with RPA automation.
- Build a Machine Learning Pipeline to automate invoices processing through FastApi, AWS, Docker and Wandb.

ORGANIZATIONS

IEEE Computer Society (11/2021 - 12/2021)

XL International Conference of the Chilean Computer Science Society

SKILLS

Python

CUDA

Git

Docker

AWS

Machine Learning

Data Science

Engineering

PERSONAL PROJECTS

Decoupling Food Segmentation (03/2022 - 08/2022)

- Paper Research about Semantic Segmentation in Food Images
- Implemented with Pytorch and MMDetection

Interactive Black Hole Simulation (05/2022 - 07/2022)

- A Black Hole Simulation in CUDA

Minimum Order Frequency Assignment Problem

(10/2021 - 12/2021)

- Paper Research about metaheuristics to solve the Minimum Order Frequency Assignment Problem

League AI Matches Predictor (08/2021 - 09/2021)

- A Deep Learning Model to predict the win percentage of matches of professional e-sports team in League Of Legends implemented in Tensorflow and Keras

CERTIFICATES

Microsoft Certified: Azure AI Fundamentals

(09/2023 - Present)

Structuring Machine Learning Projects

(01/2021 - Present)

Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization

(08/2020 - Present)

Neural Networks and Deep Learning (07/2020 - Present)

LANGUAGES

Spanish

Native or Bilingual Proficiency

English

Professional Working Proficiency

INTERESTS

Machine Learning

Quantum Computing

Gaming

Data Science

Artificial Intelligence