DIEGO MACHADO

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EXPERIENCE

Data Scientist

Falabella Tecnología Corporativo

📅 February 2022 - Ongoing   📍 Santiago, Chile

- Forecast Benchmark developing. Reducing error metric around 15% in Retail, market and website sales.
- Developing the team's MLOps architecture in GCP
- Leading a project focused in reduce the men-hours spent in transportist document verification using multimodal transformers based models
- Leading a project focused in anticipate the best product sales in the whole website, improving the planning accuracy in 30%
- Improving the VRP tool for optimize routes

Data Scientist Internship

Falabella Tecnología Corporativo

📅 December 2021 - January 2022   📍 Santiago, Chile

- Belonging to the Advanced Analytics - Supply Chain Area. Creation of artificial intelligence capacities for the different business units of the Falabella body and their countries. Focused on the development of the Forecast Benchmark for the company's business units

Project Engineer

Servicio de Salud Metropolitano Sur Oriente SSMSO

📅 2020-2021   📍 Santiago, Chile

- Allocation optimization Model of medical specialists in the physical resources available in the establishments.
- Software Development for the production of the elaborated mathematical model, called "OptBox", which is being applied to date.
- Establishment's waiting list reduced in 9%
- Reduce of men-hours from 3 months to 3 hours

Project Engineer

Instituto Sistemas Complejos de Ingeniería ISCI - Servicio de Salud Metropolitano Sur Oriente SSMSO

📅 July 2021 - November 2021   📍 Santiago, Chile

- Development of discrete simulation software for the flow of patients in a specialty.
- Waiting list simulation error of 10%
- Capability of test several policy like overbooking, telemedicine and priorization by waiting time

Professor Assistant

Universidad de Santiago

📅 2017 - Ongoing   📍 Santiago, Chile

- Professor Assistant Calculo I
- Professor Assistant Teoria de Control
- Professor Assistant Modelos Estocásticos
- Professor Assistant Optimización II (Diurno-Vespertino)

BRIEF DESCRIPTION

Industrial engineering graduated with a master's degree in engineering sciences. Passionate about the area of artificial intelligence. Permanent student, I strive to apply state-of-the-art algorithms in social applications that help the community, such as health or support for animals

PROFESSIONAL SKILLS

Python   ●●●●●
SQL   ●●●●○
Cloud(GCP, AWS) ●●●●○
TF/Pytorch/HuggingFace ●●●●○
Docker/Flask/FastAPI   ●●●○○
Web Dev(php/html/css/js) ●●●●○
Microsoft Tools ●●●●○
Matlab   ●●●○○
Julia   ●●○○○

ACHIEVEMENTS

🏆 **Euler Prize 2018 - Univesidad de Santiago**
Distinction awarded to the best grade in the Mathematics field of the 2016 generation at the Faculty of Engineering of the Universidad De Santiago

🏆 **3th Place Open innovation challenge data and artificial intelligence in health - OpenBeauchef**
Challenge that sought to promote start-ups with innovative solutions in the area of health using artificial intelligence

🏆 **Best Student 2022 Graduation - Industrial Engineer, Universidad e Santiago de Chile**
Award given to the Industrial Civil Engineering student with the best grades of the 2022 graduation of the University of Santiago de Chile

Magister's Professor Assistant

Universidad Adolfo Ibañez

📅 2021   📍 Santiago, Chile

- Professor Assistant Técnicas Estocásticas y Estadísticas para el Data Science

Engineering Summer Internship

Servicio de Salud Metropolitano Sur Oiente SSMSO.

📅 January 2020 – February 2020   📍 Santiago, Chile

- Process, consolidate and report data from the 2020 medical programming of the hospitals belonging to the ssmso.
- Processing automation and data model documentation

Engineering Admission Process

Universidad de Santiago

📅 Every January since 2017   📍 Santiago, Chile

- Responsible for guiding future engineering students of the Universidad de Santiago in their admission process

EDUCATION

Industrial Engineering

Universidad de Santiago de Chile

📅 2016-2022   📍 Santiago, Chile

Msc. Industrial Engineering

Universidad de Santiago de Chile

📅 2020-2022   📍 Santiago, Chile

Secondary School

Liceo Instituto Nacional José Miguel Carrera

📅 2010-2016   📍 Santiago, Chile

CERTIFICATES

Professional Machine Learning Engineer

Google Cloud Platform

📅 Feb 2023 – Feb 2025

Machine Learning

Stanford Online

📅 May 2020 – No Expiration Date

Neural Networks And Deep Learning

deeplearning.ai

📅 May 2020 – No Expiration Date

Applied Data Science with Python Specialization

Michigan University

📅 July 2020 – No Expirátion Date

PROJECTS

Busco mi Perro

www.buscomiperro.cl

📅 2019   📍 Chile

Web page to help people of Chile to find their lost pets, to help to stray dogs to find a family and to help families that can't pay treatments for their pets (Currently the page is closed for lack of funds, I am also designing a machine learning product for the automatic matching between a lost pet and a found pet)

AI & ML Projects

https://github.com/diegulio

📅 2023   📍 Chile

To see personal projects based on artificial intelligence please see Github repository. Which I find myself building

LANGUAGES

Spanish ●●●●●
English ●●●●○
French ●●○○○