DIEGO MACHADO

🎂 2nd August 1997   @ dmachadovz@gmail.com   📞 +56950917953   📍 Santiago, Chile
in www.linkedin.com/in/DiegulioMachado   ⌗ https://github.com/diegulio   🔗 diegulio.github.io

EXPERIENCE

Data Scientist
Visa

📅 June 2024 - Ongoing   📍 Santiago, Chile

– Data scientist at Visa Analytics & Consulting

Data Science Minor's Professor
Universidad de Santiago de Chile

📅 March 2024 - Ongoing   📍 Santiago, Chile

– Applied Machine Learning Course

Data Scientist
Walmart Chile

📅 May 2023 - Apr 2024   📍 Santiago, Chile

– Assortment clustering model
– Assortment recommendation model
– Causal inference for the proposal of assortment changes
– Construction of data pipelines for marketshare project

Data Scientist
Falabella Tecnología Corporativo

📅 February 2022 - April 2023   📍 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

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

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

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

ACHIEVEMENTS

🏆 **First Place Hackathon "IA por el Futuro" by Desafío Latam, CodeGPT**
Develop a solution using AI (powered by CodeGPT) that positively impacts one of the Sustainable Development Challenges Proposed by the UN.

🏆 **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

🏆 **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

Professor Assistant

Universidad de Santiago

📅 2017 - Ongoing 📍 Santiago, Chile

  – Optimización II, Modelos Estocásticos, Calculo I, Teoria de Control

Magister's Professor Assistant

Universidad Adolfo Ibañez

📅 2021 📍 Santiago, Chile

  – Professor Assistant Técnicas Estocásticas y Estadísticas para el Data Science

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

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Machine Learning

Stanford Online

📅 May 2020 – No Expiration Date

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Neural Networks And Deep Learning

deeplearning.ai

📅 May 2020 – No Expiration Date

- -

Applied Data Science with Python Specialization

Michigan University

📅 July 2020 – No Expiration Date

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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 ●●○○○