

Ignacio Tampe

COMPUTER SCIENCE ENGINEER (M.Sc. EQUIVALENT)

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Skills

- Programming** Python, C/C++, C#, SQL, R, Docker
- Frameworks** Spark, Django, Gensim, Tensorflow, PyTorch, Sklearn, Pandas, NLTK, Plotly, Airflow, AWS, Grafana
- Languages** Spanish Native, English Fluent (TOEFL iBT 110/120)

Experience

Microsoft

DATA & APPLIED SCIENTIST II

- Design and develop end to end ML solutions for the Clarity Insights Team
- Generate automatic insights digests for our customers with recommendations and metrics, reaching over 300k users
- Handle Big Data (30TB) queries and analysis using python and C# to internal stakeholders

Vancouver, Canada

Sep. 2021 - PRESENT

Uber

DATA SCIENTIST

- Implement deep learning forecasting tools for time series analysis to predict demand and capacity of the operation.
- Perform MLops to deploy and serve models, including DAGs on Airflow to automate ETL and training tasks.

Santiago, Chile

Dec. 2020 - Sep. 2021

Dalhousie University

VISITING RESEARCHER

- NLP & Deep Learning Researcher at the Faculty of Computer Science in Dalhousie University.
- Researching Automatic Abstractive Summarization of online news discussions using a transformer architecture.
- Work culminated in a paper accepted to *Intellysis* 2021 [1]

Halifax, Canada

Jan. 2020 - Dec. 2020

LeyTransparente - Clustea

SCRUM MASTER & DATA SCIENTIST

- Designed a technique able to detect conflicts of interest in congress using NLP.

Santiago, Chile

Mar. 2019 - Mar. 2020

European Southern Observatory (ESO)

SOFTWARE ENGINEER INTERN

- Develop a software tool to handle and schedule technical time and repairs for telescopes. Achieving improved efficiency, consistency and scalability compared to the previous process.

Paranal Observatory, Chile

Jan. 2019 - Feb. 2019

Universidad Técnica Federico Santa María

INSTRUCTOR & UNDERGRADUATE TEACHING ASSISTANT

- NLP Instructor in the Data Science Diploma
- TA for Deep Learning, User Interface Design, Non-Relational Databases
- TA for Algorithms & Complexity, Data Structures, Computer Programming in Python.

Santiago, Chile

2016 - PRESENT

Education

Universidad Técnica Federico Santa María

COMPUTER SCIENCE ENGINEER (M.Sc. EQUIVALENT) (2 YEARS TRACK)

- Relevant courses: Deep Learning, Text Mining, Business Intelligence, Pattern Recognition, Image Processing.
- Thesis: Neural Abstractive Unsupervised Summarization of Online News Discussions
- GPA 80/100. Ranked 1st. of 20

Santiago, Chile

Mar. 2019 - Nov. 2020

Universidad Técnica Federico Santa María

B.Sc. IN COMPUTER SCIENCE AND ENGINEERING (4 YEARS TRACK)

Santiago, Chile

Mar. 2015 - Dec. 2018

Honors & Awards

- 2022 **School of Engineers**, Best graduated student
- 2021 **Universidad Técnica Federico Santa María**, Best Computer Science graduated student
- 2019 **Emerging Leaders in the Americas Program**, EduCanada Research Scholarship. 5500 USD
- 2019 **Seeds for the Future**, Huawei Scholarship, consisting in a trip to China to visit and learn on Huawei's HQ

Chile

Chile

Canada

China

Publications

- [1] I. Tampe, M. Mendoza, and E. Milios, *Neural abstractive unsupervised summarization of online news discussions*, 2021. arXiv: 2106.03953 [cs.CL].

Projects

- #ChileWokeUp** Understanding the role of Social Media during the Chilean protest by analyzing with deep learning the violence in posted images.
- LeMiKnow** An open source Python library to get notifications when a function is called, finishes or crashes. 7000+ downloads