

# Ignacio Tampe

COMPUTER SCIENCE ENGINEER (M.Sc. EQUIVALENT)

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## Skills

- Programming** Python, C/C++, Javascript, R, Dart
- Frameworks** Django, Gensim, Tensorflow, PyTorch, Sklearn, Pandas, NLTK, Plotly, Matplotlib, Streamlit, Airflow, AWS
- Languages** Spanish Native, English Fluent (TOEFL iBT 110/120)
- Social Skills** Leadership, Problem solving, Adaptability, Decision making

## Experience

### Cornershop by Uber

DATA SCIENTIST

Santiago, Chile

Dec. 2020 - PRESENT

- Design, model, and develop machine learning models for internal operations of the company
- Perform MLops to deploy and serve models, including DAGs on Airflow to automate ETL and training tasks.
- Implement deep learning forecasting tools to analyze demand and capacity of the operation.

### Dalhousie University

VISITING RESEARCHER

Halifax, Canada

Jan. 2020 - Dec. 2020

- 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]

### LeyTransparente - Clustea

SCRUM MASTER & DATA SCIENTIST

Santiago, Chile

Mar. 2019 - Mar. 2020

- Coordinated the development team using sprints and agile
- Designed a technique able to detect conflicts of interest between congressmen estates and law projects. Using Natural Language Processing and Clustering techniques.

### European Southern Observatory (ESO)

SOFTWARE ENGINEER INTERN

Paranal Observatory, Chile

Jan. 2019 - Feb. 2019

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

### Universidad Técnica Federico Santa María

UNDERGRADUATE TEACHING ASSISTANT

Santiago, Chile

2016 - 2020

- Deep Learning.
- User Interface Design.
- Non-Relational Databases.
- Algorithms & Complexity.
- Data Structures.
- Computer Programming in Python.

## Education

### Universidad Técnica Federico Santa María

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

Santiago, Chile

Mar. 2019 - Nov. 2020

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

### Universidad Técnica Federico Santa María

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

Santiago, Chile

Mar. 2015 - Dec. 2018

## Honors & Awards

2019 **Emerging Leaders in the Americas Program**, EduCanada Research Scholarship. 5500 USD

Canada

2019 **Seeds for the Future**, Huawei Scholarship, consisting in a trip to China to visit and learn on Huawei's HQ

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