



## ABOUT ME

Age: 25 (Jan 03 1996)

Citizenship: Argentine and Italian.



<https://github.com/pato0301>

## CONTACT ME AT



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Via Luigi Mercantini 2, Milan, Italy



+39 389 0965740



[www.patriciovillanueva.com](http://www.patriciovillanueva.com)

## SKILLS

- Coding language: Python, SQL, JavaScript, C++ and VBA
- SQL Databases (PostgreSQL, MySQL, MSSQL, Maria db) & Non-SQL Databases (Mongo db)
- Dashboard Tools: Power BI & Tableau
- ETL, Git, Jupyter Notebook, SPSS, Microsoft Office, Node JS, Flask, Django, React, ML Libraries (eg. scikit-learn, numpy, pandas, XGBoost, Seaborn, TensorFlow, PySpark), Linux, AWS SageMaker, AWS API GateWay & AWS Lambda
- Pentaho Data Integration, Docker & Prophet

## LANGUAGES



English (Cambridge Advanced Exam, Cambridge)



French (DELFI B1 certificate)



Italian.



Spanish (Native)



Knowledge of Latin.

# PATRICIO VILLANUEVA

## ACTUARY / DATA SCIENTIST

### WORK EXPERIENCE

#### Data Scientist, Alten

Milan, Italy | Feb 2021 - Jun 2021

- I developed Tableau dashboard for the EMEA Marketing team.
- ETL Pipeline from Salesforce
- Ad-Hoc Analysis for the EMEA Team.

#### Data Scientist, Digital House

Buenos Aires, Argentina | Sept 2019 - Dec 2020

- In charge of the creation of a data lake and a data warehouse for all the flows of information (CRM, APIs, Internal systems).
- Ad-Hoc analysis with the purpose of generating business insights and KPIs for the new business.
- Working with the product team performing analysis and helping to improve the product.
- Automation of processes and reporting.
- Building Machine Learning models and deploying them through microservices using Flask and Docker.

#### Freelance Data Scientist

Buenos Aires | Jan 2019 - Aug 2019

- Data cleaning and product analysis for different customers.
- Dashboards development with the main KPI's of the business.

#### Jr Actuary, MetLife Argentina

Buenos Aires | Sept 2017 - Dec 2018

- Global Actuarial Modeling team and financial projections for LATAM region, where I developed complex statistical models.
- Performance projections of the products in each country belonging to the region.

#### Cook I, Deer Valley Resort

Park City, Utah, USA | Dec 2016 - March 2017

- Work and Travel Program

#### Lift Attendant, Wisp Resort

Mchenry, Maryland, USA | Dec 2015 - March 2016

- Work and Travel Program

Internship at the Engineering Faculty's lab, UBA, 2013.

Internship in Computer Science at the Faculty of Science's lab, UBA, 2013.



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## EDUCATIONAL HISTORY

### MSc. & BSc. in Actuarial Science

Universidad del Salvador, Argentina | March 2014 - April 2018

- Minor in Finances
- Award-winning thesis involved studying the European regulation for the financial and insurance industry and how could it be applied in Argentina.

### Machine learning Engineer

Udacity | Jan 2021 - March 2021

- Building and deploying machine learning models using AWS SageMaker, Lambda, API Gateway, Cloud Watch & S3

### Deep Learning Specialization

Coursera, deeplearning.ai | Aug 2020

- Course on Deep Learning and Neural Networks

### CS50 Intro to Artificial Intelligence

Harvard University | April 2020 - July 2020

- Course on different algorithms for ML and AI

### CS50 Course

Harvard University | Nov 2019 - March 2020

- Course on the fundamentals of Computer Science
- Final Project a Flask Web Application

### Full Stack Web

Digital House, Argentina | Apr 2020 - Sep 2020

- Course on Web development with Node.js
- Express
- MySQL
- React

### AWS Cloud Architect

Digital House, Argentina | Sept 2019 - Dec 2019

- Course on AWS Architectures and tools for ML

### Data Science

Digital House, Argentina | Feb 2018 - Aug 2018

- Course on Data Science with Python
- Cleaning, processing and analysis of Data
- ML libraries
- Supervised and Unsupervised learning and NLP
- Final project: clustering comments on the Facebook page of the Buenos Aires City government on the different branches of the government, such as Health, Environment, Education, etc