

# DANIEL CABALLERO

Data Engineer with a PhD in Computational Mechanics and a passion for Information Technology. I am passionate about learning and applying new technologies to find better solutions for different types of problems. I believe that AI and Big Data represent the future of many disciplines, and I look forward to be a part of that future. I have experience as a CAE Engineer, Project Manager, Programmer, and Data Analyst.



## CONTACT

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🌐 Daniel Caballero

## SKILLS

### Programming

Python  
Bash  
SQL  
C++  
Fortran  
MATLAB  
HTML/CSS  
JavaScript  
LaTeX

### Operating Systems

Linux  
Windows  
MacOS

### Software & Tools

Visualization  
(e.g. matplotlib, seaborn, ...)  
Data handling/analysis  
(e.g. numpy, scipy, pandas, ...)  
Git  
Office  
Modeling & Simulation  
(e.g. Ansys Fluent, SolidWorks, ...)

### Languages

Spanish (native)  
English  
Portuguese  
Italian  
Swedish

## WORK HISTORY

- 📅 10/2020  
📍 Wondersign, California, USA

Data Analyst

Clean and normalize big datasets to make them available in production. Write Python scripts and notebooks for scraping/mining, merging, parsing, re-formatting and clustering data. Create data pipelines with a mix of technologies: Blender, ProductsUp, Google Cloud Platform, and more.
- 📅 04/2016 - 08/2020  
📍 GIAC, Mar del Plata, Argentina

CAE Engineer

Build models and perform simulations in the fields of Computational Fluid Dynamics & Solid Mechanics. Main tools: Ansys Fluent and Simulia Abaqus for simulations; Paraview, MATLAB and Python for Data Analysis & Visualization of results.
- 📅 2014 - 2016  
📍 La Paloma Brewing  
Mar del Plata, Argentina

Sales & Logistics Manager

Multi-role in a growing brewing company. Manage stock and coordinate shipments. Treat with customers and distributors. Assist in project management and production scheduling.
- 📅 2012 - 2014  
📍 Ternium, Buenos Aires, Argentina

Project Engineer

Supervise engineering projects. Design plan of action, write technical specifications, draw blueprints, assign schedule. Coordinate execution, solve emerging problems in-site.

## EDUCATION

- 📅 2007 - 2012  
📍 National University of Mar del Plata

Mechanical Engineering

Graduated with the best average grade of my class (8.62 / 10), gaining a Distinctive GPA Mention.
- 📅 2016 - 2020  
📍 National University of Mar del Plata

PhD in Computational Mechanics

Specialized in Finite Element Analysis (FEA) and Computational Fluid Dynamics (CFD).

## GENERAL SKILLS

- Logical Thinking
- Problem Solving
- Management
- Communication
- Multi-Tasking
- Research
- Documentation
- Data Mining
- Data Modeling
- Data Analysis
- Data Visualization
- Programming
- Scripting
- Machine Learning
- Simulation
- Bash
- Python
- Numpy
- Scipy
- Scrapy
- Selenium
- Django
- Flask
- SQLAlchemy
- SQL
- Google Cloud Platform

## MY TIME

