

DANIEL CABALLERO

Mechanical 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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From: Argentina

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🌐 Daniel Caballero

SKILLS

Programming

Python
Bash
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. The process involves writing Python scripts and notebooks for scraping/mining, merging, parsing, re-formatting and clustering data.
- 📅 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 Management
- Data Modeling
- Data Analysis
- Big Data
- Data Visualization
- Quantitative Analysis
- Programming
- Scripting
- Machine Learning
- Modeling
- Simulation
- Python
- Numpy
- Scipy
- MATLAB
- Excel
- Excel VBA
- SQL
- UNIX
- Ansys
- SolidWorks

MY TIME

