

# Carlos A. Giménez

## Data Scientist Specialist

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carlosgim @ github (<https://github.com/carlosgim>)

carlosgim @ linkedin (<https://www.linkedin.com/in/carlosarielgimenez>)

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## Skills

### Scientific Software

- PENELOPE (A Code System for Monte-Carlo Simulation of Electron and Photon Transport),
- DIRAC (Program for Atomic and Molecular Direct Iterative Relativistic All-electron Calculations),
- DALTON (Program for calculations of molecular properties at the HF, DFT, MCSCF, and CC levels of theory).

### Programming

- Python, +6 years,
- Fortran, +6 years,
- Bash, +5 years,
- R, +1 years
- SQL(Teradata), < year

### Technology

- Git, Bazaar,

- Typography - Latex and beamer,
- Plotting language - gnuplot, gle and matplotlib.

## Other skills

- Knowledge of research methodologies,
- Writing and presenting scientific and technical reports.

## Languages

- Spanish, Mother tongue
  - English, Fluent
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# Work Experience

## Telefonica Argentina

### Data Scientist

2016 - current

<http://www.telefonica.com.ar/> (<http://www.telefonica.com.ar/>)

Development of Python Libraries for analytics data study, data process with Machine Learning Technics (R and Python language), courses dictation, and writer of technical reports.

- Python code developer.
  - Teacher of Mathematical background of Machine Learning Technics.
  - Technical Report Writer.
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## Institute of Modeling and Innovation on Technology

### Post PhD

2016 - 2018

<http://www.imit-conicet.gob.ar/> (<http://www.imit-conicet.gob.ar/>)

Development of theoretical and computational tools for the study of magnetic effects in nanoscopic systems with heavy atoms.

- Scientific research, Code developer.
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## Universidad Nacional del Nordeste

### Associate Professor - Classical Mechanics

2016

<http://www.unne.edu.ar/> (<http://www.unne.edu.ar/>)

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## Universidad Nacional del Nordeste

### Teacher in charge of assignments

2011 - 2016

## Projects

The origen of the quantum entanglement, the hydrogen bonds, relativistics, of QED and chirality in molecular properties

**PhD researcher**

2013 - 2016

<http://www.imit-conicet.gob.ar/fam-proyectos/> (<http://www.imit-conicet.gob.ar/fam-proyectos/>)

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## Education

Universidad de Buenos Aires

2016 - 2018

Post PhD in Computer Science

Universidad Nacional del Nordeste

2011 - 2015

PhD in Physics

Universidad Nacional del Nordeste

2008 - 2011

Licenciate in Physics

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## Interests

- Data Science
  - Scientific Computer Development
  - Python Libraries Development
  - Chess
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