

Carlos A. Giménez

PhD in Physics

**Address:**

Corrientes, Argentina

Phone:

0054 0379 447-3931 int 125

Email:

mail[at]carlosagimenez.com (mailto:mail[at]carlosagimenez.com)

Website:

<http://www.carlosagimenez.com> (<http://www.carlosagimenez.com>)

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

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

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, novice, +1 years

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
-

Work Experience

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/>)

Universidad Nacional del Nordeste

Teacher in charge of assignments

2011 - 2016

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

Projects

The origin 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/>)

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

Interests

- Data Science
- Computer Science
- Atomic and Molecular Physics
- Chess

Source on github (<https://github.com/carlosгим/resume>)

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