



Amadio, Camilo Leonel

Curriculum Vitæ (April 4, 2019)

Address: Street 12 N° 706 department 8A, La Plata, Argentina.
Phone: + 54 221 155945496
Mail: camiloamadio57@gmail.com
Nationality: Argentinian.
Born: 27/04/1995

EDUCATION

Master in Physics: 2013-2019
*Exact Sciences Faculty (FCE),
National University of La Plata (UNLP), La Plata, Argentina.*

[Link](#) to the webpage of the degree.

- Estimated graduation date: May 2019
- Grade Point Average: 9.21
[Link](#) to official Academic Transcript (in spanish).
- Master Thesis: Singularities in quantum field theory.

Scientific Programming Workshop: 2018
National University of Quilmes, Quilmes, Argentina.

[Link](#) to the webpage course
80 hours presential course.
Featured Topics:

- Source Code Management (GIT).
- Compiled languages (C / FORTRAN).
- Debugging and Profiling.
- Automatic Documentation (Pydoc, Doxygen, Sphinx).
- High performance computing.

Machine Learning, Data Science and Deep Learning with Python.: 2018

12 hours [Udemy Course](#). Featured Topics:

- Machine Learning Techniques: K-Means, Decision Trees, KNN, etc.
- Deep Learning and Neural Networks: Tensorflow, Keras.

SCHOLARSHIPS

Summer School ([IB](#)):

2019

Balseiro Institute, Bariloche atomic center, Bariloche, Argentina.

160 hours long scholarship in "Low Temperature Laboratory" at Balseiro Institute, from 04/03/19 to 1/04/19.

Project: Position control system for a high spatial resolution x-ray image acquisition.

[Link](#) to presented project (in spanish).

Stimulus to scientific vocations ([EVC](#)):

2018-2019

Balseiro Institute, Bariloche atomic center, Bariloche, Argentina.

12 Weekly hours scholarship from 04/03/19 to 29/04/19, provided by the National Interuniversity Council.

Project: "Spectral Functions in Quantum Field Theory With Singularities" in Physics Institute of La Plata.

WORK EXPERIENCE

Paid Student Teaching Assistant ([FI](#)) :

2018-2019

Engineering Faculty (FI), National University of La Plata (UNLP), La Plata, Argentina.

Teaching assistant in [Mathematics C](#), subject of 2nd year.

From 14/03/18 to 31/03/19.

[Link](#) to designation (in spanish).

Paid Student Teaching Assistant ([FI](#)) :

2018-2019

Engineering Faculty (FI), National University of La Plata (UNLP), La Plata, Argentina.

Teaching assistant in [Physics II](#), subject of 2nd year.

From 14/03/18 to 31/03/19.

[Link](#) to designation (in spanish).

ATTENDED CONGRESSES

103° National Physics Reunion of the Argentinian Physics Association:

2018

Buenos Aires City, Argentina.

Congress from 17/9 to 21/9.

Attendee and poster presenter.

[Link](#) to certificates (in spanish).

102° National Physics Reunion of the Argentinian Physics Association:

2017

La Plata, Buenos Aires City, Argentina

Congress from 26/9 to 29/9.

Attendee and volunteer collaborator.

[Link](#) to certificate (in spanish).

QUALIFICATIONS

Physics:

- **Quantum Field Theory:** Master Thesis.
- **X-ray reflectometry.**

Mathematics:

- **Linear Algebra.**
- **Multivariable Calculus.**
- **Differential Equations.**
- **Complex Variable Analysis.**

Programming:

- **Python:** OOP, Simulations, Data Analysis, Machine Learning (TensorFlow/Keras).
- **Fortran 90:** Simulations.
- **Arduino:** Arduino Uno. [Link](#) to project at Balseiro Institute (in spanish).
- **Wolfram Mathematica.**
- **Proficiency in LaTeX.**

Computer Skills:

- **Linux User.**
- **Windows User.**
- **Microsoft Office.**

LANGUAGES

- **Spanish:** Mother Tongue.
- **English:** Fluent.
- **Hebrew:** Studing level 1 in [Rosen School of Hebrew](#).