

# Santiago Miranda

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## Work Experience and Contributions

2021-2022

Github Open Source Contributor

Contributor to chemistry projects written in Typescript, Javascript or Python. I've written code for [parsing NMR data](#) (Varian/Agilent) as well as [Raman data](#). In these cases, the code converts the original source files (binary and text) to a friendly JSON format that is general, easy to transfer and understood by any web browser.



Github

2020-2022

Developer Hubs

Active member of the [MongoDB Developers Forum](#) as well as [StackOverflow](#).

2017-2019

Chemistry Lecturer

Introduction to Chemistry Lecturer at "Instituto Superior de Formación Docente N°3" (Higher Institute of Teacher Training N°3), Neuquen, Argentina. The role consisted of teaching students (between 20 and 30 years old) aspiring to become High School teachers. It involved classroom lectures and simple laboratory experiences (distillation, calorimetry, titrations).

## Education

2015-2017

MSc in Physical Chemistry at University of La Plata, Argentina.

**Thesis:** *Computational calculation of thermodynamical properties for chemical reactions in condensed phase.*

The thesis consisted in putting together chemistry packages used for conformer generation, solvent effect simulation, semiempirical quantum calculations and statistical calculations. The program was written in Python.

The thesis was developed at the Centre For Inorganic Chemistry and supervised by Martin Lavecchia [lavecchia@gmail.com](mailto:lavecchia@gmail.com) and Carlos Franca.

2012-2015

Chemistry Degree at University of La Plata, Argentina.

This course included (but was not restricted to) General Chemistry, Organic and Inorganic Chemistry, Spectroscopy Techniques (Mass Spectroscopy, IR, UV/Vis, Raman), Biology, Algebra, Calculus, Statistics.

## Other interests

Gap Year

During 2019-2021 I volunteered at farms, hostels, and other places while travelling and learning to code as well as some Greek and Italian. This was a very rewarding experience. During that time I [coded a blog](#).

Mind and Body

Climbing, hiking, camping and outdoor activities help me to stay healthy and happy.

I practice Zen meditation and have volunteered for a few Buddhist Centres in Italy (Thabarwa) and England (Kadampa).

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