

Agustina Pesce

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Education

- 2014 - 2019 **PhD in Geophysics**, *FCEFyN, Universidad Nacional de San Juan, Argentina*
- 2005 - 2014 **Licentiate in Physics**, *FCEIA, Universidad Nacional de Rosario*

Projects

Web design and Development

- Diana Acero** Personal website.
- Geolatinas coding group** A website to show what the coding group is and their activities.
- Dashboard** A COVID-19 data visualization from Argentina.
- Dashboard** Dashboard for Argentina COVID-19 data using *plotly* and *dash*.
- Garabatos** A site for my paintings.
- CromoGráfica** Business website currently under development.

Software Engineer and Data Scientist Experience

- Fatiando a Terra** *Open source tools for geophysics*
- Implementation of new methodologies with unit tests and documentation
 - Improvement of the main website project
 - Maintenance tasks (CI fixes, automation of tasks)
 - Active participation on Developers and Community meetings
 - Speaker at [Geophysical Society of Houston](#)
 - Instructor assistant on Harmonica tutorial at [Transform21](#)
- MANDYOC** *Open source tool to simulate the mantle dynamics*
- Automated deployment of the documentation website through GitHub Actions
 - Community building (license, code of conduct, how to contribute guidelines, Readme)
 - Wrote a Makefile for building and installing
- tapIOca** *Tools for transforming output files from Mandyoc code to dataset*
- Design and development of the library and its API
- Dashboards** *A COVID-19 data visualization*
- Design and development of the libraries
 - Automated deployment of the website through GitHub Actions

Experience

- 2019 - March 2022 **Postdoctoral researcher** at [IGSV](#) by a [CONICET](#) Postdoctoral scholarship.

Since 2019	Jefe de Trabajos Prácticos (assistant professor of practice) in Physics I and Physics II, <i>Departamento de Geología, FCEFyN, Universidad Nacional de San Juan.</i>
2014 - 2019	PhD student at <i>IGSV</i> by a <i>CONICET</i> PhD scholarship.

Technical Skills

Programming	Python, FORTRAN, C
Markup	Markdown, LaTeX, HTML
Style sheets and framework	CSS, Bootstrap, Milligram
Tools	GNU/Linux, git, bash tools, VS Code, Libre Office suite, Inkscape, GIMP, Krita, JupyterLab
Geophysics tools	Oasis Montaj, GMT, Fatiando a Terra

Languages

Spanish	Native
English	Intermediate

Communities

Since 2021	<i>Las de Sistema</i>
Since 2020	<i>Geolatinas</i>
Since 2020	<i>Software Underground</i>
Since 2016	<i>Fatiando a Terra</i>

Last updated on September 2021