# BIBIANA MOLLINEDO RIVADENEIRA

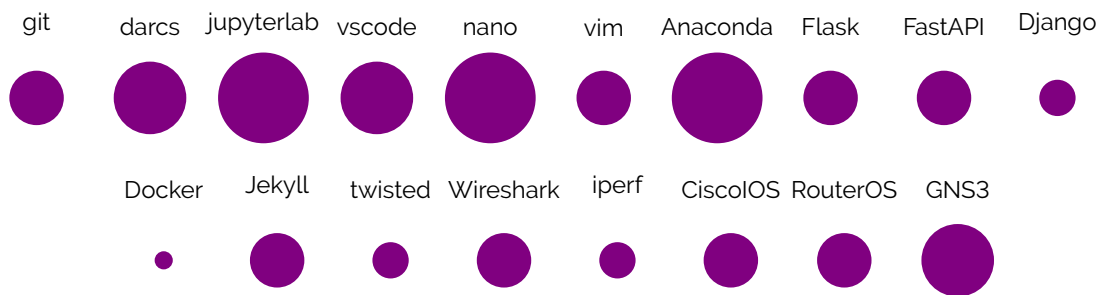📍 San Salvador de Jujuy, Jujuy. Argentina
*disposed to relocate*

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## WHO AM I?

A passionate about telecommunications, programming and free software engineer willing to learn and gain experience. An efficient person when I working in an organized environment with proactive people. A respectful about the rules and best practices worker.

## WHAT AM I LOOKING FOR?

A challenging experience to learn new things every day, far from being a routine work, a great combination between programming and networking.

| Skill | Level | | Skill | Level |
|---|---|---|---|---|
| Python | ████████ | | Bash | ██████ |
| HTML | ████ | | MySQL | ████ |
| Java Script | ██ | | Markdown | █████████ |
| Scratch | ██████ | | Latex | █████ |

git · darcs · jupyterlab · vscode · nano · vim · Anaconda · Flask · FastAPI · Django

Docker · Jekyll · twisted · Wireshark · iperf · CiscoIOS · RouterOS · GNS3

## EXPERIENCE

**Feb 2020 - present**
remote, full time
### Python Software Developer — AG Projects (The netherlands)
Real time communication open source software: `Python/Cython` 2 to 3 migration. Mobile push notifications RTC server development using `FastAPI`.

**Aug - Dec 2020**
remote, part time
### Technical Coordinator — Sadosky Foundation
Technical references for Jujuy mentors in the first Computer Science program in Argentina. `Moodle` platform, digital resources, management tools admin.

**Aug 2019 - Present**
remote, part time
### Remote Teacher — Primary school at "Plan Ceibal", Uruguay.
In the course "Computational thinking", teaching, making classes to inspire kids in computing with `Scratch`.

**2016 - 2020**
part time
### Teacher Assistant — National University of Río Cuarto
In the course "Introduction to Telecommunications Engineering": preparing classes, making notes, teaching, promoting empowering activities to first year students.

**Aug - Dec 2019**
part time
### LoRaWAN prototipe development — Fonexa S.A. - National University of Río Cuarto
Research development and deployment of a `LoRa/LoRaWAN IoT` prototype solution with `Arduino`, `ESP32` and `Raspberry Pi` using `Python` and `Dash` to the professional internship.

**Aug - Dec 2019**
part time
### Python Teacher — SerInformatica, Río Cuarto, Córdoba
On demand private and custom programming classes in `Python`, oriented to networking scripting.

**Aug - Dec 2019**
part time
### Python Private Teacher — Río Cuarto, Córdoba
On demand private and custom programming classes in `Python`, promoting `Python` community.

**May - Jun 2019**
### Programming (Python) instructor — College of engineers in Río Cuarto.
Organizing, managing the course and teaching basis of `Python`, `Matplotlib` and `Pandas`

**2018**
freelance
### Web app development — Local ISP
Admin, REST API and data visualization dashboard for `freeradius` in `Flask`, `Python`, and `Dash`

## EDUCATION

| 2019 | **Telecommunications Engineering** | National University of Río Cuarto |
| | Engineering degree oriented to networking. | |

| 2012 | **IT Technician** | National University of Jujuy |
| | Technical academy oriented to informatics. Basis of programming and sysadmin on `GNU/Linux.` | |

## PROJECTS

**I love pdf telegram bot**                                           Personal project
Telegram bot which offers all ilovepdf.com features written in `Python`

**VoIP IVR Survey (spanish)**                                         TCP/IP course
Prototype of surveys over IP using `FreePBX`.

**Web application called ARQcheros**                                  Academic Project
To admin, manage and automate calculus of archaeological data using `Flask`.

**OptyGaussPy**                                                       Optical communications course
Teaching resource for the study of the propagation of a gaussian pulse in optical fiber using `Python`

**ARSAT fiber optic network**                                         Optical Communications course
Visualisation, calculus and planing of an argentinian fiber optic network with `Python` and `folium`.

**EspectroAR**                                    Introduction to Telecommunications Engineering course
Data visualization of Argentinian radio Spectrum in `JavaScript`

**From GPS to a 3D map**                                              Radio Navigation course
A topographical 3D map using a `Tiva` board and `Python.`

**PyAR map**                                                          Personal Project
Interactive and collaborative map showing python teachers in Argentina. Using `folium, jekill`
and githubpages.

**UniLeaks**                                                          Personal Project
Blog about university issues

**Web Accessibility Analysis**                                        Personal Project
Scripting to show accessibility issues at University

## HONORS/AWARDS

| 2017 | **People Choice award** | NASA Space Apps |
| | Web app to teach people use solar energy. | |
| 2016 | **"Environmental Smart Metering" challenge Finalist Team** | Telecom Personal |
| | IoT kit and web portal to record and visualize data about non-ionizing radiation and noise. | |
| 2012 | **Mention of alternative technologies** | XV National Internet Olympics |
| | Research and deployment of alternative energy device called "Compucicleta." | |
| 2012 | **First prize** | XIV National Internet Olympics |
| | Research and prototype deployment of emergency housing unit with recycled plastic: "Plasticasa | |
| 2011 | **Mention for excellence in developing critical thinking, communication and technical skills** | |
| | THINKQUEST INTERNATIONAL COMPETITION | |
| | Research an build of an animated video to raise about autism called "Different it's ok" | |

## LANGUAGES

**Spanish** - native
**English** - intermediate

## HOBBIES

Programming and free software philosophy. Also teaching and swimming and biking.

## NON PROFIT

Django Girls Río Cuarto organizer.
FLISoL Río Cuarto team.
Python for Science course organizer and instructor.
TEDx Río Cuarto team.