Luigui **Gallardo-Becerra**

DATA SCIENTIST & BIOINFORMATICIAN

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Data scientist and bioinformatician looking for new challenges to apply and expand my skills in a new company.

About me

- As a graduate researcher, I participated in different projects using modern Genomic technologies and Data Science applied to biological data to obtain novel information. Recently finished Google's "Data Analytics Professional Certificate", and Codecademy's "Data Scientist: Machine Learning Specialization".

Experience

Institute of Biotechnology, National Autonomous University of Mexico

PH.D. RESEARCHER   *2016-2022*

I was part of different research projects. From the beginning, obtaining or creating the raw data, to the final report or publication. The tasks that I carried out includes the following:

- Manage research projects: the creation of main and secondary objectives/research questions.
- Server management (HPC): installation of Linux operative system, installation of specific software, avoiding server slowdowns, and building secure server environments.
- Creation of pipelines: using bash, python, Snakemake, and Rabix Composer, creating pipelines to avoid repetitive workflows and make reproducible analysis.
- Software development: using bash, python, Perl, and R, developing several software tools to solve and achieve specific goals.
- Creation of plots: using R, Rstudio, Jupyter Notebooks, Excel, Graphpad, and Tableau.
- Maintenance of GitHub account: the creation and maintenance of repositories on GitHub.
- Creation of reports/publication: using Markdown and Word, I delivered weekly and biannual reports to the members of the Laboratory. Also, I co-authored peer-reviewed publications that are highly cited in their respective areas.
- Presentations to the general public and academic events: participate in scientific dissemination, specialized seminars, and congress.

Student Coaching, Guadalajara, Mexico

MATHEMATICS TEACHER   *2014-2016*

- I taught math classes to middle and high school students to increase their grades for college admission exams.

Education

Institute of Biotechnology, National Autonomous University of Mexico   *Cuernavaca, Mexico*
PH.D.   *2019-2022*
Institute of Biotechnology, National Autonomous University of Mexico   *Cuernavaca, Mexico*
MASTER OF SCIENCE   *2016-2019*
University of Guadalajara   *Guadalajara, Mexico*
BACHELOR OF BIOLOGY   *2012-2016*

Soft skills

- Team player who can also work independently with excellent communication skills
- Fast learner and could quickly adapt to new technologies.
- Excellent problem-solving capabilities.
- Can manage a significant workload or several projects from different areas without losing track of them.

Programing Languages, Tools & Bioinformatic skills:

- Python, R, SQL, Bash, Perl, C++, LaTeX, HTML & CSS, JavaScript, High Performance Computing (HPC), Google Cloud, AWS, Linux, Tableau, Docker, Snakemake, Jupyter Notebooks, Rstudio, Django
- 16S rRNA profiling, Genome/Transcriptome assembly and annotation, Metagenomics, Metatranscriptomics, Viromics

Languages

- English – Full professional proficiency
- Spanish – Native