

Luigui Gallardo-Becerra

SOFTWARE ENGINEER & BIOINFORMATICIAN

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Experienced in software engineering, bioinformatics, and data science. Proven track record in developing robust software solutions, managing research projects, and contributing to scientific publications.

Experience

Graduate Research Assistant

Institute of Biotechnology, UNAM

January 2019 - Current

- Developed software tools and pipelines to streamline data analysis and processing.
- Administered the laboratory's server, ensuring the installation of necessary software and maintaining secure server environments.
- Created reproducible analyses and reports, contributing to efficient project management.
- Presented research findings at various scientific seminars and conferences, effectively disseminating critical insights and findings to diverse audiences.

Data Engineer

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October 2016 - December 2018

- Conducted data collection and preprocessing for various clients, including browsers and social networks.
- Developed and delivered weekly data deliverables, and collaborated on database creation tasks.

Software Engineer (Internship)

Dept. of Computer Science, CUCEI

January 2016 - July 2016

- Developed a cloud-deployed web application using ASP.NET Core for patient record management, contributing to both backend and frontend development.

Education

National Autonomous University of Mexico

PH.D. (COMPUTATIONAL BIOLOGY)

Mexico City, Mexico

January 2019 - Current

National Autonomous University of Mexico

MASTER OF SCIENCE (COMPUTATIONAL BIOLOGY)

Mexico City, Mexico

August 2016 - January 2019

University of Guadalajara

BACHELOR OF SCIENCE (MOLECULAR BIOLOGY)

Guadalajara, Mexico

August 2012 - January 2016

Key Skills

- **Programming Languages:** Python, C#, R, SQL, Bash, HTML, CSS, JavaScript, TypeScript
- **Tools & Frameworks:** HPC, Linux, Docker, Tableau, Nextflow, Snakemake, Jupyter Notebooks, Rstudio, Django, ASP.NET, React, Angular, Shiny
- **Software Development:** Web application development, database management, version control (Git), unit testing, Agile methodologies
- **Bioinformatics:** 16S rRNA profiling, Genome/Transcriptome assembly, Metagenomics, Metatranscriptomics, Viromics
- **Soft Skills:** Team player, fast learner, excellent communication, problem-solving, multi-tasking
- **Languages:** English (Full professional proficiency), and Spanish (native)