

PIERO PALACIOS BERNUY



PROFESSIONAL EXPERIENCE

Current
|
2023

Bioinformatician scientist

Rayca Precision

📍 Remote

- Provide statistical computational tools for biologically based activities like genetic analysis, measurement of gene expression, and also gene sets analysis.
- Analyze large molecular datasets like Next Generation Sequencing (NGS) data, microarray data, genomic sequence data, and also proteomics data for clinical or basic research purposes.
- Develop new software applications or customize existing applications to meet specific project needs.

Current
|
2023

Consultancy for Statistical Support - Seed System / Agrobiodiversity / Timeline datasets

International Potato Center

📍 Remote

- Conduct statistical analysis as agreed with the team.
- Generate graphs, tables, and visuals to best represent results.
- Contribute to science article development.

2023
|
2022

Bioinformatician intern

Rayca Precision

📍 Remote

- Develop & Deploy NGS data processing pipelines
- Analyze large amounts of information to discover trends and patterns

2019

Consultant

International Potato Center

📍 Lima, PE

- Research, development, and improvement of an in vitro medium for the propagation of sweet potato compared with media used by the International Potato Centre
- Experience in the area SO Conserving Biodiversity for the Future and procedures ISO17025.
- Proposal of a new medium of cultivation to generate a better growth of the plants of sweet potato

2019
|
2018

Professional practitioner

International Potato Center

📍 Lima, PE

- Management and recovery of the collection in vitro "Low viability of sweet potato"
- Responsible for training in botanical and physiological knowledge in order to strengthen the methodology of in vitro propagation.
- Establishment of working methodologies and flowcharts for the management of the collection in vitro "Low viability of sweet potato".



CONTACT



Hi! My name is Piero, and I am a Biotechnologist from Peru .

I have especializations in data analysis and bioinformatics from Harvard University and MIT.

I have a [blog](#) about bioinformatics aimed at people who are enthusiastic about this field.

TEACHING

 Rstudio and Bioconductor

LANGUAGES

Spanish: Native

English: Intermediate

This resume was made with the R package [pagedown](#) and [datadrivencv](#).

Code available on  [GitHub](#)

Last updated on 2023-11-13. The most recent version of this resume is [available here](#).



EDUCATION

2018
|
2012

B. Sc. Biotechnology

La Molina National Agrarian University

📍 Lima, PE

- Thesis: Impact of high temperature on coffee (*Coffea arabica*) transcriptome
- Development of bioinformatics pipelines in HPC (High performance computing) for functional analysis of coffee transcriptome



COURSES

2023

Machine Learning with Python-From Linear Models to Deep Learning

MITx (Massachusetts Institute of Technology)

📍 Remote

- [Certificate](#)

2022

Fundamentals of Statistics

MITx (Massachusetts Institute of Technology)

📍 Remote

- [Certificate](#)

2022

Probability - The Science of Uncertainty and Data

MITx (Massachusetts Institute of Technology)

📍 Remote

- [Certificate](#)

2021

Introduction to Computer Science and Programming Using Python

MITx (Massachusetts Institute of Technology)

📍 Remote

- [Certificate](#)

2020

Data analysis for Genomics

HARVARDx

📍 Remote

- Professional Program
- [Certificate](#)

2020

Advanced Bioconductor

HARVARDx

📍 Remote

- [Certificate](#)

2020

Case studies in functional genomics

HARVARDx

📍 Remote

- [Certificate](#)

Selected activities:

PROGRAMMING SKILLS

R

tidyverse

RMarkdown / Quarto









GitHub

Bioconductor

HPC

Python

Linux

2020	 Introduction to Bioconductor HARVARDx · Certificate	 Remote
2020	 High-dimensional data analysis HARVARDx · Certificate	 Remote
2020	 Statistical Inference and Modeling for High Performance Experiments HARVARDx · Certificate	 Remote
2019	 Statistical analysis in bioinformatics USMx (University System of Maryland) · Certificate	 Remote