

PIERO PALACIOS BERNUY



PROFESSIONAL EXPERIENCE

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

● 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.

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: B2

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

Code available on [GitHub](#)

*Last updated on 2024-01-12. 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

Data Analysis: Statistical Modeling and Computation in Applications

MITx (Massachusetts Institute of Technology)

📍 Remote

• [Certificate](#)

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](#)

Selected activities:

PROGRAMMING SKILLS

R

tidyverse

RMarkdown / Quarto

GitHub

Bioconductor

HPC

Python

Linux

Pytorch

2020	<ul style="list-style-type: none"> Case studies in functional genomics HARVARDx · Certificate 	<ul style="list-style-type: none"> 📍 Remote
2020	<ul style="list-style-type: none"> Introduction to Bioconductor HARVARDx · Certificate 	<ul style="list-style-type: none"> 📍 Remote
2020	<ul style="list-style-type: none"> High-dimensional data analysis HARVARDx · Certificate 	<ul style="list-style-type: none"> 📍 Remote
2020	<ul style="list-style-type: none"> Statistical Inference and Modeling for High Performance Experiments HARVARDx · Certificate 	<ul style="list-style-type: none"> 📍 Remote
2019	<ul style="list-style-type: none"> Statistical analysis in bioinformatics USMx (University System of Maryland) · Certificate 	<ul style="list-style-type: none"> 📍 Remote