

# 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.

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 2023-05-17. 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

- 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](#)
- 2020
- Introduction to Bioconductor  
HARVARDx  Remote
  - [Certificate](#)
- 2020
- High-dimensional data analysis  
HARVARDx  Remote
  - [Certificate](#)

Selected activities:

## PROGRAMMING SKILLS

 R

 tidyverse

 RMarkdown / Quarto

 GitHub

 Bioconductor

 HPC

 Python

 Linux

2020



Statistical Inference and Modeling for High Performance Experiments

HARVARDx

📍 Remote

· [Certificate](#)

2019



Statistical analysis in bioinformatics

USMx (University System of Maryland)

📍 Remote

· [Certificate](#)