

PIERO PALACIOS BERNUY



PROFESSIONAL EXPERIENCE

Current
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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
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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
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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 2023-03-02. The most recent version of this resume is available [here](#).

EDUCATION

2018
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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	<ul style="list-style-type: none">● Probability - The Science of Uncertainty and Data MITx (Massachusetts Institute of Technology) · Certificate	📍 Remote
2021	<ul style="list-style-type: none">● Introduction to Computer Science and Programming Using Python MITx (Massachusetts Institute of Technology) · Certificate	📍 Remote
2020	<ul style="list-style-type: none">● Data analysis for Genomics HARVARDx · Professional Program · Certificate	📍 Remote
2020	<ul style="list-style-type: none">● Advanced Bioconductor HARVARDx · Certificate	📍 Remote
2020	<ul style="list-style-type: none">● Case studies in functional genomics HARVARDx · Certificate	📍 Remote
2020	<ul style="list-style-type: none">● Introduction to Bioconductor HARVARDx · Certificate	📍 Remote
2020	<ul style="list-style-type: none">● High-dimensional data analysis HARVARDx · Certificate	📍 Remote
2020	<ul style="list-style-type: none">● Statistical Inference and Modeling for High Performance Experiments HARVARDx · Certificate	📍 Remote
2019	<ul style="list-style-type: none">● Statistical analysis in bioinformatics USMx (University System of Maryland) · Certificate	📍 Remote

Selected activities:

PROGRAMMING SKILLS



R



tidyverse

RMarkdown / Quarto



GitHub



Bioconductor



HPC



Python



Linux