

# PIERO PALACIOS BERNUY



## PROFESSIONAL EXPERIENCE

Current  
|  
2022

● Bioinformatician intern

Rayca Precision

📍 Lima, PE

- 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".



## 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



## CONTACT



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

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 2022-08-27. The most recent version of this resume is available [here](#).*



## COURSES

2022	<ul style="list-style-type: none"><li>● Probability - The Science of Uncertainty and Data MITx (Massachusetts Institute of Technology) · <a href="#">Certificate</a></li></ul>	📍 Remote
2021	<ul style="list-style-type: none"><li>● Introduction to Computer Science and Programming Using Python MITx (Massachusetts Institute of Technology) · <a href="#">Certificate</a></li></ul>	📍 Remote
2020	<ul style="list-style-type: none"><li>● Data analysis for Genomics HARVARDx · Professional Program · <a href="#">Certificate</a></li></ul>	📍 Remote
2020	<ul style="list-style-type: none"><li>● Advanced Bioconductor HARVARDx · <a href="#">Certificate</a></li></ul>	📍 Remote
2020	<ul style="list-style-type: none"><li>● Case studies in functional genomics HARVARDx · <a href="#">Certificate</a></li></ul>	📍 Remote
2020	<ul style="list-style-type: none"><li>● Introduction to Bioconductor HARVARDx · <a href="#">Certificate</a></li></ul>	📍 Remote
2020	<ul style="list-style-type: none"><li>● High-dimensional data analysis HARVARDx · <a href="#">Certificate</a></li></ul>	📍 Remote
2020	<ul style="list-style-type: none"><li>● Statistical Inference and Modeling for High Performance Experiments HARVARDx · <a href="#">Certificate</a></li></ul>	📍 Remote
2019	<ul style="list-style-type: none"><li>● Statistical analysis in bioinformatics USMx (University System of Maryland) · <a href="#">Certificate</a></li></ul>	📍 Remote

Selected activities:

## PROGRAMMING SKILLS



R



tidyverse



RMarkdown / Quarto



GitHub



Bioconductor



HPC



Python



Linux