

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
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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 2023-05-22. 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

- 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](#)
 - 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](#)
 - Advanced Bioconductor
HARVARDx  Remote
 - [Certificate](#)
 - Case studies in functional genomics
HARVARDx  Remote
 - [Certificate](#)
 - Introduction to Bioconductor
HARVARDx  Remote
 - [Certificate](#)

Selected activities:

PROGRAMMING SKILLS

 R

 tidyverse

 RMarkdown / Quarto

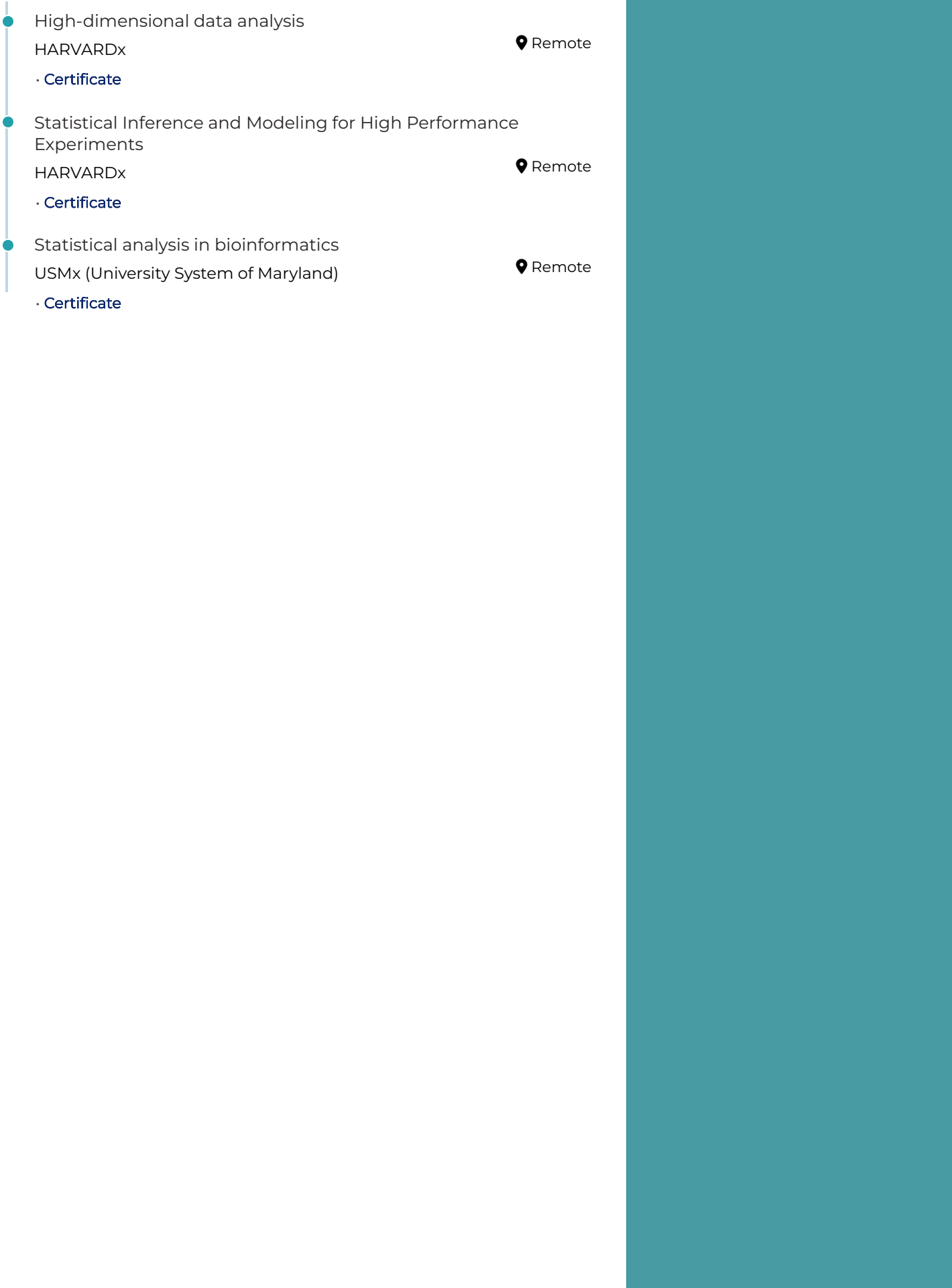
 GitHub

 Bioconductor

 HPC

 Python

 Linux

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