

Contact

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(LinkedIn)

Top Skills

Bioinformática
Python
Amazon Web Services

Languages

Espanhol (Elementary)
Português (Native or Bilingual)
Italiano (Elementary)
Inglês (Full Professional)

Certifications

Bioinformatics for Biologists:
Analysing and Interpreting Genomic
Datasets
Linguagem R
SAP Data Intelligence for Enterprise
IA
DevOps, DataOps, MLOps
AWS Partner: Accreditation
(Technical)

Publications

Revelada origem de mutações que
causam doenças raras em famílias
consanguíneas

Allysson Allan

Professor | Bioinformatics Manager | AI | Data Science
Fortaleza, Ceará, Brazil

Summary

I am Visiting Professor of Translational Medicine Postgraduate Program at Federal University of Ceará, working with genomics, bioinformatics and data science in health. Also, I am back to the bones trying to study the ancient human populations from the NE Brazil.

In Bioinformatics Manager position at FIOCRUZ - Fundação Oswaldo Cruz, I lead a team of bioinformaticians and developers to deliver innovative solutions for the healthcare sector. We use the latest technologies in distributed systems, data pipelines, and large-scale data processing to develop products based on machine learning and predictive models. My goal is to apply my diverse skill set to improve public health.

Previously, I worked as a Principal AI Lab and Analytics Specialist at Farmácias Pague Menos, the second largest retail pharmacy company in Brazil. I successfully led a data-driven team that exceeded annual milestones, developing applications and insights to enhance company performance. I also have experience as a Data Scientist at Hospital Albert Einstein and Hapvida Saúde, where I contributed to key performance indicators in healthcare. I have a strong background in bioinformatics, with a PhD in Genetics from Universidade de São Paulo and over 10 years of experience in research and scientific writing, multiple papers in prestigious journals. I am passionate about leveraging AI and healthcare, always eager to learn new technologies and stay current on the latest advancements

Experience

Federal University of Ceara
Visiting Professor
November 2023 - Present (1 month)
Fortaleza, Ceará, Brazil

Fundação Oswaldo Cruz (Fiocruz)
Bioinformatics Manager
May 2023 - November 2023 (7 months)
Fortaleza, Ceará, Brazil

Farmácias Pague Menos
11 months

Principal AI Lab
September 2022 - April 2023 (8 months)
Fortaleza, Ceará, Brasil

I lead a data-driven team focused on intelligent solutions to the company. Our team is composed by three developers and two data scientists. In six months, our team reached 120% of a-year milestone:

- A near real time app to give key performance indicators to the high administration, digital and operations teams;
- Daily insights about the monthly revenue sales for more than 1300 stores;
- The automation and the reprocessing of company hourly goals for each store;
- Patience, engagement and empathy.

Analytics Specialist
June 2022 - April 2023 (11 months)
Fortaleza, Ceará, Brasil

I am working with the latest technology on distributed systems, data pipelines and large-scale data processing to deliver products based on machine learning and predictive models. A huge challenge to deliver disruptive products based on ML models aligned to production processes (MLOps) in a fast-paced and second largest retail pharmacy company in Brazil.

Hospital Israelita Albert Einstein
Data Scientist
September 2021 - June 2022 (10 months)
São Paulo, Brasil

Working with WGS/WES DRAGEN-GATK routines based on WDL/Cromwell workflows in an AWS cloud. RD in genomic test innovation managing joint genotyping vcf from large-scale genomic databases (UKBB, 1KGP, SABE and Brazilian rare genomes project) and clinical data from the best hospital in Latin America using pyspark/hail and multiple AWS EMR cluster configurations. Hands on collaborative code practices. Adept of agile culture.

Università degli Studi di Padova
Postdoctoral Research Scientist
September 2020 - December 2021 (1 year 4 months)
Pádua, Vêneto, Itália

- Improving a new method to estimate polygenic risk scores for admixed individuals

Universidade Estadual da Paraíba
Bioinformatics Scientist
March 2014 - October 2021 (7 years 8 months)
Campina Grande, Paraíba, Brasil

Handling genomic array data from admixed individuals. Investigating recessive genetic diseases.

Hapvida
Data Scientist
May 2020 - August 2020 (4 months)
Fortaleza, Ceará, Brasil

Building the historical, prediction, and prevention squads.

Armorial Consultoria
Diretor
June 2019 - August 2020 (1 year 3 months)
Fortaleza

Education

Universidade de São Paulo
Doctor of Philosophy - PhD, Genetics · (March 2014 - October 2018)

Universidade Federal de Pernambuco
Master's degree, Archaeology · (March 2011 - January 2013)

Universidade Estadual da Paraíba
Licentiate and Bachelor of Science degree, Biological Sciences · (July 2006 - August 2010)