Paulo Chagas Júnior

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EDUCATION

Federal University of Bahia (UFBA) — Apr, 2018 – Present
Doctorate's degree, Computer Science — Salvador, Bahia, Brazil

Federal University of Pará (UFPA) — Jul, 2016 – Feb, 2018
Master's degree, Computer Science — Belém, Pará, Brazil

Indiana University — Jun, 2014 – Jul, 2015
Brazil Scientific Mobility Program Student, Computer Science — Bloomington, Indiana, USA

Federal University of Pará (UFPA) — Feb, 2011 – May, 2016
Bachelor's degree, Computer Science — Belém, Pará, Brazil

EXPERIENCE

Loggi — Nov. 2021 – Present
Data Analyst — Home Office, Brazil

- Worked in a deep-learning-based image classification project using Python and Tensorflow on AWS Sagemaker
- Works with the development of an automatic pipeline of training and deployment of a regression model using SQL, AWS Lambda, Redshift, Sagemaker and CloudWatch
- Works with data analytics using Python, SQL and Looker

Intelligent Vision Research Lab, UFBA — Apr. 2018 – Present
Researcher, PhD Student — Salvador, Bahia, Brazil

- Working with medical image classification and uncertainty estimation using Python, Tensorflow and Pytorch

Information Visualization and Intelligent Systems Laboratory (LABVIS), UFPA — Nov. 2015 – Feb, 2018
Researcher, Master Student and Undergraduate Student — Belém, Pará, Brazil

- Worked with chart image classification using Python, WEKA, Tensorflow and Matlab
- Worked with feature engineering for fault classification in transmission lines using Java, WEKA, Matlab and Python

Indiana University — Jun. 2015 – Jul, 2015
Software Engineer Intern, Summer Research Student — Bloomington, Indiana, USA

- Student at Summer Research Opportunities in Computing (SROC) program
- Worked on Shell command line applications for the Cloudmesh project using Python

RESEARCH

Skills

- Research experience with emphasis on machine learning, computer vision, deep-learning and uncertainty estimation
- Python, Linux, LaTeX, Git, SQL, Java, AWS, Looker, Tensorflow, Pytorch
- English and Portuguese

Most relevant publications (see more in my scholar profile)

- Uncertainty-aware membranous nephropathy classification: A Monte-Carlo dropout approach to detect how certain is the model.
  Computer Methods in Biomechanics and Biomedical Engineering: Imaging & Visualization - Feb 4, 2022
- Classification of glomerular hypercellularity using convolutional features and support vector machine.
  Artificial Intelligence in Medicine - Mar 1, 2020
- Evaluation of convolutional neural network architectures for chart image classification.
  International Joint Conference on Neural Networks (IJCNN) - Jul 8, 2018