Yales Stéfano Rios Vasconcelos

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Hannover, DE

EXPERIENCE

- **L3S Research Center**
  Ph.D. Student - Hannover, DE
  Am working on Data Generation methods for the DaFne project
  Winter 2021/2022 - Present

- **University of Liverpool**
  Software Developer - Liverpool, UK
  Created pipeline for auto-marking university assignment submissions.
  Autumn 2020 - Spring 2021

- **University of Liverpool**
  Teaching Assistant - Liverpool, UK
  I'm a demonstrator for the COMP108 module coordinated by Prof. Prudence Wong.
  Winter 2020/2021 - Spring 2021

- **University of Liverpool**
  Research Assistant - Liverpool, UK
  Assisted Dr. Gregory Palmer with research at the university's Geographic Data Science Laboratory.
  Summer 2019

- **University of Liverpool**
  Research Assistant - Liverpool, UK
  Coded data visualisations that provide interesting insights to users of the LiftUpp App.
  Summer 2018

EDUCATION

- **Ph.D. Computer Science**
  Leibniz Universität Hannover
  2021-Present

- **M.Sc. Advanced Computer Science Hons.**
  University of Liverpool
  2020-2021

- **B.Sc. Computer Science Hons.**
  University of Liverpool
  2017-2020

PUBLICATIONS

- Gregory Palmer, Mark Green, Emma Boyland, Yales Stefano Rios Vasconcelos, Rahul Savani, and Alex Singleton. A deep learning approach to identify unhealthy advertisements in street view images. *Scientific reports*, 11(1):1–12, 2021

RESEARCH INTERESTS

- Data Generation
- Federated Learning
- Smart Cities
- XAI
- Ensemble Learning
- Deep Learning

SKILLS

- **Neural Networks/ML**
  Experience with Tensorflow, Keras, Scikit-Learn

- **Data Science**
  Experience with Pandas, Jupyter, NumPy, Python, SciPy, R, GeoPandas, Seaborn, PySAL, Spark, Hadoop

- **SysAdmin**
  Manage personal (Arch) Linux server for Cloud Computing. Comfortable with the terminal, Bash scripting and system maintenance. Experience with Azure.

- **Languages**
  Fluent in English and Portuguese, advanced Spanish, beginner German.

PROJECTS

- **Samel** [github.com/YalesRios/Samel]
  Working on an uncertainty visualisation that uses Neural Network metadata to show how Neural Networks in an ensemble disagree about the reasons why they made a prediction.

VOLUNTEERING

- **IntoUniversity**
  Worked on presentations and workshops introducing kids to Computer Science. *November 2019*