Lucas Pacheco

Coffee Sommelier / Developer/ Researcher

ℹ Computer Engineer and (soon to be) Master in Electrical Engineering

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About

Computer engineer, graduated in 2019 by the Federal University of Pará, interested in data science, machine learning, and computer networks. He is currently taking his master's degree in electrical engineering, in the field of applied computing.

Linux and FOSS enthusiast, currently in love with python, data science, AI and deep learning, computer networks, and coffee.

Skills

Data Analysis

Machine Learning

Network Management

C++

Linux Management

Python

Interests

Computer Networks and 5G Research

With the ever-growing demand for multimedia content offers in mind. Studied Quality of Experience, and its role in modern service provisioning. Has published works in QoE-oriented network management to enhance user experience.

Machine Learning and AI

Competence in traditional machine learning algorithms, like decision trees, and genetic algorithms, as well as in deep learning techniques and libraries. Capable of using modern frameworks and implementing state-of-the-art models.

Mobility Management - Deep Learning

Has used deep learning to take advantage of user mobility data in network management. Comparing classic prediction techniques (Kalman Filter and ARIMA) with cutting edge LTSM networks to extract mobility patterns and plan accordingly.

Education

2015-2019	Degree in Computer Engineering.	UFPa
2016-2018	Scientic Initiation	GERCOM - UFPa
since 2019	Master's in Electrical Engineering. *Networks and Distributed Systems.*	UFPa

Publications

2017	Handover em redes heterogêneas baseado em AHP para transmissão de vídeo (ERIN2)
2018	Algoritmo de handover ciente de Qualidade de Experiência e Qualidade de Serviço em redes veiculares heterogêneas (SBRC)
2018	Algoritmo de handover ciente de Qualidade de Experiência e Qualidade de Serviço em redes veiculares heterogêneas (SBRC)
2018	Quality of experience and quality of service-aware handover for video transmission in heterogeneous networks. International Journal of Network Management
2019	A Handover Algorithm for Video Sharing over Vehicular Networks. Latin-American Symposium in Dependable Computing
2020	Edge-based Mobility Management with Transferable Reinforcement Learning Trajectory Prediction

Experience

2016	Coordenadoria de Capacitação e Desenvolvimento	Internship
2017-2018	Research Group in Computer Networks and Multimedia Communication	Junior Researcher
since 2019	Master's in Electrical Engineering	LaCiS-UFPa

Other Info

Always looking for new challenges and learning opportunities, always offer the dedication to acquire all the skills necessary to perform a task intelligently and efficiently.

Comfortable in a team work environment, remotely or not.

I disagree strongly with whatever work this quote is attached to.
- Randall Munroe