web version

ANDRÉ MARCOS PEREZ

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WORK EXPERIENCE

2017 – Present **Software Developer @ Amdocs – São Carlos, Brazil.**

Development, maintenance and implementation in software of the complex business model (bundles, plans, prices, discounts, etc.) of the largest telecom companies (TV, internet, telephone and mobile) from Brazil and from the world.
Technologies: Java, PL/SQL, Python, Bash; Oracle Database; Test automation with Jenkins and Cucumber; Processes automation with Bash on Unix environment. Version control with GitLab and Perforce.
Practices: DevOps culture, agile methods and behavior driven development.
Proven business orientation: Solely developer to bring a new customer (telecom startup) to the company in a high monopolized market. Generated the lead and helped to qualify the opportunity.
Proven innovation experience: Winner of the Amdocs Global Innovation Contest. Proposed a web tool to make Cucumber automation software available for every scrum team member such as product owners and testers. Currently developing the tool with software architects from India with three meetings schedules in the Amdocs Innovation office in Israel.

EDUCATION

2018 - Present **University of São Paulo, MSc, Data Science – São Carlos, Brazil.**

Research: Recommender system applied to the telecom market.
Technologies: PL/SQL, Bash (awk) Python (pandas) and R (various packages).
Strong science orientation in applied mathematics, statistics and computer science. Research project aligned with Amdocs needs. Wide range of small research projects such as fraud analysis with audio indexes and telecom customer churn with sales data, working in the whole stack of activities, from ETL processes to model selection and tuning.

2012 – 2017 **University of São Paulo, BEng, Electrical & Electronic Engineering – São Carlos, Brazil**

Project: Applied Machine Learning to biological experiment automation.
Supervised learning approach to classify biological patterns in those created by virus and those not created by them. Computer vision approach to extract the features. The model classified correctly 94.78% of new unseen patterns.
Technologies: ETL (image processing) and classification with Matlab using Gradient Descent algorithm and the Sigmoid function.

2015 – 2016 **University of Glasgow, BEng, Electronic & Software Engineering – Glasgow, UK.**

Project: Applied Machine Learning to extract energy consumption behavior. Unsupervised learning approach to cluster low voltage energy consumption into distinct groups based on their electrical energy consumption.
Technologies: ETL with Java; Clustering with Matlab using Gaussian Mixture Models, Expectation–maximization algorithm and Bayesian Information Criterion.

EXTRACURRICULAR ACTIVITIES

2019 **3rd Place @ MovileHack – Digital Wallet.**
Project: Harvesting collective buying power to help online buyers.
Link: bit.ly/2NuruMG

2017 **Winner @ HackathonUSP – Smart Cities.**
Project: Public lights monitoring.
Link: bit.ly/2RdGCyR

2017 **Winner @ HackathonUSP – Scientific Production.**
Project: Electronic lab notebook.
Link: bit.ly/2KyoPjq

LANGUAGE SKILLS

English: Fluent, last Toelf ITP exam on August of 2018 with score of 620 out of 677.
German: Basic.
Portuguese: Native.

REFEREES

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