Rodrigo Kobashikawa Rosa

Undergraduate student in Electronic Engineering

24 years

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About me

Manézinho from Florianópolis that is absolutely in love with machine learning algorithms. About to graduate at UFSC and looking forward to new experiences with the ultimate goal to, step-by-step, help making the world more intelligent.

Skills

- Python
- Machine Learning
- Deep Learning
- MLOps
- Audio and image digital processing
- SCRUM
- SQL

Organized
Problem solving skills
Self management skills

Objective

Work as a data scientist in interdisciplinary projects designing solutions with machine learning models and applying them to production systems.

Academic background

2014 - Undegraduate Electronic Engineering student — IAA: 8.42
Universidade Federal de Santa Catarina

Languages

Portuguese	Native language
English	Speak fluently, read/write with high proficiency.
Japanese	Speak, read and write with intermediate proficiency.

Experience

2021 - Machine Learning Engineer — Aquarela Advanced Analytics
Managed a data science team as a Product Owner and interacted with stakeholders weekly in a predictive maintenance project using IoT. Worked on several other data science projects creating solutions for the gas industry and automobile industry, and internal products involving predictive maintenance and demand forecast.

2020 Internship as a Machine Learning Engineer — Aquarela Advanced Analytics
Development of data analytics solutions for the industry. Worked on all processes of the data science cycle, cleaning data, exploratory analysis, ETL pipeline implementation, machine learning model experimentation for classification, regression and anomaly detection cases, model deployment as REST APIs.

2018 - Research on Text-To-Speech — UFSC
Research in collaboration with a professor from UFSC on state-of-the-art Text-To-Speech deep learning models, specially Tacotron 2, applying it to brazillian portuguese.

Projects

2019 Sleep stage classification using EEG signals — UFSC
Utilizing EEG signals and machine learning models as KNN and Random Forest.

2019 Automatic segmentation of lung CT scans — UFSC
Study of several image processing techniques to perform automatic lung computed tomography scans using 2017's Data Science Bowl Kaggle dataset with over 70 Gb of scans.

2018 Indoor localization from RSSI signal. — UFSC
Study of an indoor localization model using the receveid signal strength indication (RSSI) from Wi-fi and Bluetooth devices. It was compared the use of several models as KNN, SVM, Random Forest, DNN and CNNs.

Complementary courses

2021 Machine Learning Engineering for Production Specialization — Coursera
Courses 1 and 2.

2021 Scrum Fundamentals Certified — SCRUMstudy
Introduction to Scrum and agile development.

2018 EEL7514 - Machine Learning — UFSC
Optative discipline at UFSC. (72 class hours)