



OSCAR S. KREMER

DATA SCIENTIST / DATA ENGINEER

SKILLS

PYTHON

ADVANCED

MACHINE LEARNING

ADVANCED

NLP

ADVANCED

GCP / AWS

ADVANCED

TESTING / CI

ADVANCED

GIT

ADVANCED

MLOPS

INTERMEDIATE

CONTAINER

INTERMEDIATE

SPARK / AIRFLOW

INTERMEDIATE

SQL

INTERMEDIATE

LINUX

INTERMEDIATE

INFO



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<https://www.linkedin.com/in/oscar-kremer/>



<https://github.com/oscardkremer>

BACKGROUND

Electrical Engineering (2021) - IF-Sul Pelotas

Master Degree in Electrical Engineering (in progress) - PUC-RJ

ABOUT MYSELF

I love challenges and to learn new things. I have a lot of experience working with ML libraries, such as *pyspark*, *scikit-learning*, *tensorflow*, *pytorch* and *keras*, the image processing libraries *openn-cv*, *scikit-image* and *PIL*, and the NLP libraries, *nltk*, *spacy* and *gensim*. Also have a good amount knowledge regarding statistical tools, concepts and model interpretability. I have a good mathematical background regarding the theory and concepts related with the algorithms, and have experience with data engineering tools to create pipelines and deploy machine learning models.

WORK EXPERIENCE

Dextra/CI&T

Data Scientist (Intermediate II)

SEPT 2021 - TODAY

- Implementation of models for sentiment analysis and sentiment transition on chat data.
- Implementation of a system for machine learning models lifecycle management.
- Development and deploy of a model for STT (speech to text).

Garten Automação

Machine Learning Engineer e Python Dev.

FEB 2018 - SEPT 2021

- Development of a deep learning algorithm for detection and classification of problems in beans and malt. The project included the segmentation of grains using MaskRCNN and also an API to access the model and enable online classification.

CERTIFICATES

Linux Professional Institute

Linux Essentials

TOEFL - IBT

Score: 107 / 120

(Equivalent C1 - Fluente)

Advanced Machine Learning on Google Cloud - Google Cloud Training (Coursera)

- End-to-end Machine Learning with TensorFlow on GCP.
- Production Machine Learning Systems.
- Image Understanding with TensorFlow on GCP.
- Sequence Models for Time Series and Natural Language Processing.
- Recommendation Systems with TensorFlow on GCP.

Deep Learning -

DeepLearning.AI (Coursera)

- Neural Networks and Deep Learning.
- Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization.
- Structuring Machine Learning Projects.
- Convolutional Neural Networks.
- Sequence Models.

Plotly e Dash

Udemy

Nacional Laboratory of Scientific Computing (LNCC)

- Deep Learning
- Data Analysis

Federal University of Pelotas (UFPeI)

Deep Learning for image
classification.

LANGUAGES

Inglês: Fluent

Português: Native

Espanhol: Intermediate

Francês: Basic

FAPERGS

Student Researcher

AUG DE 2018 - JUL DE 2019

- Development of a computational vision algorithm using fuzzy logic to be embedded on a mobile robot responsible to automatically catch tennis balls on a court.

Thrive Data Science

Machine Learning Engineer

AUG DE 2018 - MAY DE 2019

- Implementation of pipelines for time series forecasting.
- Recommendation systems.
- Churn analysis.

ARTICLES & PUBLICATIONS

KREMER, O. S.; CUNHA, M. A. B. ; SILVA, P. H. A. .

Implementation of a Predictive Maintenance System using Unsupervised Anomaly Detection. In: Simpósio Brasileiro de Automação Inteligente, 2021, Rio Grande. Anais do SBAI 2021, 2021.

SEVERO, SERGIO LUIZ SCHUBERT ; RIECHEL, TIAGO LUIS ; CORDEIRO, JESSICA GANTES ; **KREMER, OSCAR SCHMITT** . *Instrumented Synchronous Feedback Workbench, Learning Object for the Electrical Machines Laboratory*. In: 2020 IEEE Global Engineering Education Conference (EDUCON), 2020, Porto. 2020 IEEE Global Engineering Education Conference (EDUCON), 2020. p. 1416.

KREMER, O. S.; CUNHA, M. A. B. ; MORAES, F. S. ; SCHIAVON, S. S. *A Genetic Approach for Trajectory Optimization Applied to a Didactic Robot*. In: 2019 Latin American Robotics Symposium (LARS), 2019 Brazilian Symposium on Robotics (SBR) and 2019 Workshop on Robotics in Education (WRE), 2019, Rio Grande. 2019 Latin American Robotics Symposium (LARS), 2019 Brazilian Symposium on Robotics (SBR) and 2019 Workshop on Robotics in Education (WRE), 2019. p. 240.

SEVERO, SERGIO LUIZ SCHUBERT ; **KREMER, OSCAR SCHMITT** ; RIECHEL, TIAGO LUIS . *Belief Network for Non-Intrusive Load Monitoring Methodology and Implementation*. In: 2019 IEEE PES Innovative Smart Grid Technologies Conference Latin America (ISGT Latin America), 2019, Gramado. 2019 IEEE PES Innovative Smart Grid Technologies Conference - Latin America (ISGT Latin America), 2019. p. 1.