Manoel Vilela Machado Neto

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Education

Universidade Federal do Ceará — Sobral, Ceará
BS Computer Engineering *GPA: 8.5* — Aug 2016 - Dec 2020

Universidade Federal do Pará — Tucuruí, Pará
BS Computer Engineering *GPA: 9.0* — Aug 2014 - Jun 2016

Work Experience

Nexus Edge — São Paulo, SP
Machine Learning Engineer — Aug 2015 | Aug 2016

- Build a model to classify comments of Facebook posts based on Natural Language Processing and Machine Learning techniques using Neural Networks.
- Explore unsupervised models to topic modelling and topic extraction: LDA, Word2Vec, K-Means and others.
- Modelling a system for spellchecking based on a natural language graph of Portuguese using Neo4j.

Neoway Business Solutions — Florianópolis, SC
Data Scientist — Fev 2018 | Present

- Build a PDF parser to extract public entites from Diário Oficial of Justice from some states. The model will extract like: laywers names, its ids and processes ids.
- Build a temporal model to classify the probability of a company being bankrupt in the next 3 months based on temporal features of today and the past.
- Build a Natural Language Processing model to extract public designations/exoneration from Diário Oficial da União Section from the public site imprensanacional.gov.br
- Build a datascience template using advanced Software Engineering techniques for the Data Analytics team.
- Build a Sentiment Analysis model to classify companies based on its feedback in sites like TripAdvisor.

Skills

Programming Languages:	Python, Common Lisp, C, Haskell, Go
Tools & Libraries:	Docker, Emacs, Spark, Pandas, GCP, CatBoost, Scikit-Learn, NLTK, SpaCy
Domain Knowledge:	Natural Language Processing, Machine Learning, Mathematics, Operating Systems

Projects

Lisp Chat *Common Lisp, Usockets, SBCL* — http://github.com/lisp-chat
An experimental chat system written in Common Lisp

U-root *Go, Linux* — https://github.com/u-root/u-root
A fully Go userland! u-root can create a root file system (initramfs) containing a busybox-like set of tools written in Go.

mal *Python, argparse, requests, decorating* — https://github.com/ryukinix/mal
A CLI tool for management of MyAnimeList

Decorating *Python* — https://github.com/ryukinix/decorating
A library to use Python decorators for terminal animation

Lisp Inference *Common Lisp, WebLocks* — https://logic.lerax.me/
An Inference Engine based on Propositional Calculus written in Common Lisp

Quicksys *Common Lisp, Quicklisp* — https://github.com/commonlispbr/quicksys
A tool to install quicklisp systems from multiple distributions over world

DestructHub/ProjectEuler *Python, Go, C, Haskell, Common Lisp, C++*
https://github.com/DestructHub/ProjectEuler
A ProjectEuler solutions repository written in more than 20 languages!