

Manoel Vilela Machado Neto

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Education

- Aug 2016 | **BS in Computer Engineering**, *Universidade Federal do Ceará*, GPA: 8.5, *Sobral, Ceará*.
Dec 2020
Aug 2014 | **BS in Computer Engineering**, *Universidade Federal do Pará*, GPA: 9.0, *Tucuruí, Pará*.
Jun 2016

Work Experience

- Aug 2015 – **Machine Learning Engineer**, *Nexus Edge*, São Paulo, SP.
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.

Fev 2018 – **Data Scientist**, *Neoway Business Solutions*, Florianópolis, SC.
Present
 - Build a PDF parser to extract public entites from Diário Oficial of Justice from some states. The model will extract like: lawyers 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 imprensa.nacional.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*.

An experimental chat system written in Common Lisp
<http://github.com/lisp-chat>

U-root, *Go, Linux*.

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

mal, *Python, argparse, requests, decorating*.

A CLI tool for management of MyAnimeList
<https://github.com/ryukinix/mal>

Decorating, *Python*.

A library to use Python decorators for terminal animation
<https://github.com/ryukinix/decorating>

Lisp Inference, *Common Lisp, WebLocks*.

An Inference Engine based on Propositional Calculus written in Common Lisp
<https://logic.lerax.me/>

Quicksys, *Common Lisp, Quicklisp*.

A tool to install quicklisp systems from multiple distributions over world
<https://github.com/commonlispbr/quicksys>

DestructHub/ProjectEuler, *Python, Go, C, Haskell, Common Lisp, C++*.

A ProjectEuler solutions repository written in more than 20 languages!
<https://github.com/DestructHub/ProjectEuler>