

Wanderson Ferreira

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Objectives

Build products that last the test of time.

Brief Summary

Despite my academic background, I have been working with software and/or algorithm development since 2010. I've been working on projects in supply chain, financial industry, healthcare, games, and cyber security using Python, Golang, Scala, and mostly Clojure.

Education

2016–interrupted	MSc in Electrical Engineering, Universidade de São Paulo, Brazil. Thesis: Deep Learning: Inspecting Restricted Boltzman Machines Supervisor: Dr. Prof. Emilio Del Moral Hernandez Concentration: Computer Science, Scientific Programming and Data Science.
2010–2015	Bachelor of Science in Geophysics, Universidade de São Paulo, Brazil Thesis: Global Optimization for AVO inversion in unconsolidated sediments. Supervisors: Dr. Liliana Diogo and Dr. Fred Hilterman (UH) Programming Languages: Fortran and MATLAB. Concentration: Scientific Programming
2014–2015	Exchange Program, Exploration Geophysics, University of Houston, US Thesis: Synthetic Seismogram modeling package in MATLAB Supervisor: Dr. Fred Hilterman Concentration: Scientific Programming

Open source projects

Emacs Lisp	Maintainer of code-review and helm-spotify-plus. Contributor to pomidor, organic-green, and many fixes in other projects
Clojure	Contributed to spec-tools and smaller contributions in other projects e.g. reitit, depstar, clara-rules.

More details on github profile.

Professional Experience

2020–current	Contractor Senior Clojure Developer - Remotely Boston <ul style="list-style-type: none"> • Developed real-time data pipelines for esports games at App Sauce (ClojureDesign Podcast) • Developing document custody solution for clinical trials at Reify Health • Tech Stack: Clojure, Postgresql, Kafka, and AWS services.
2019–2020/Nov	Principal Software Engineer at Captalys <ul style="list-style-type: none"> • Decided to expand the rationale of Credit Platform to other business units • Designed the architecture for services on Credit Management • Designed the architecture for services on Credit Securitization • Supported the adoption of Scrum and new hires for Product positions • Supported new product implementations • Supported team growth e.g. from 5 to 50 developers in 15 months. • Tech Stack: Clojure, Python, Kubernetes, Postgresql, and AWS services.
2017/Dec–2019/Jan	Lead Software Engineer at Captalys <ul style="list-style-type: none"> • Invited to create and lead a Tech team to build a Credit Platform • Invited to participate in the Partnership program of the company • Developed public APIs to enable partners to provide credit in their ecosystem • Designed Platform architecture and main components • Worked closely with Product team to deliver Tomatico - Credit for PME • Tech Stack: Clojure, Python, Kubernetes, PostgreSQL, and AWS Services
2017–2017/Nov	Tech Lead ML Engineer at Captalys. <ul style="list-style-type: none"> • Created Data Science team from scratch • Implemented Random Forest models to score Hospitals based on SUS data • Implemented Descriptive Analytics Platform • Tech Stack: Python, Scala, Apache Cassandra and MySQL.
2016–2017/May	Tech Lead at TEVEC Metodologias e Sistemas. <ul style="list-style-type: none"> • Designed and Implemented Machine Learning framework • Ease the work for Data Scientist to develop and deploy models • Tech Stack: Python, MySQL, Tensorflow, Theano, MongoDB.
2016/Fev–2016/Nov	Analyst in Mathematical Modeling at TEVEC Metodologias e Sistemas. <ul style="list-style-type: none"> • Member of Research team in Machine Learning focusing on supply chain • Developed algorithms e.g. clustering, and decision trees • Developed several neural network architectures for timeseries prediction • Tech Stack: Python, and MySQL.

Scholarships and Awards

2017	Data Science Game 2017 World Finalist
2015	SEG/ExxonMobil Student Education Program Awards - SEP
2015	CNPq - Undergraduate Scholarship
2013-2014	CAPES - Brazilian Mobility Program Scholarship
2011-2012	CNPq - Undergraduate Scholarship
2010-2011	USP Rectory Scholarship for Undergraduate.

Publications and Abstracts

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