

Wanderson Ferreira

wand@hey.com

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Address: Rua Paulistânia, 319
São Paulo, Brazil.

Nationality: Brazilian
Mobile: +55 11 966428772

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 HealthTech 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 unitsDesigned the architecture for services on Credit ManagementDesigned the architecture for services on Credit SecuritizationSupported the adoption of Scrum and new hires for Product positionsSupported new product implementationsSupported 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 PlatformInvited to participate in the Partnership program of the companyDeveloped public APIs to enable partners to provide credit in their ecosystemDesigned Platform architecture and main componentsWorked closely with Product team to deliver Tomatico - Credit for PMETech 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 scratchImplemented Random Forest models to score Hospitals based on SUS dataImplemented Descriptive Analytics PlatformTech 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 frameworkEase the work for Data Scientist to develop and deploy modelsTech 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 chainDeveloped algorithms e.g. clustering, and decision treesDeveloped several neural network architectures for timeseries predictionTech 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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