

Rodrigo Araujo

Phone: +17783209600

Email: rod.dearaujo@gmail.com

Education

MSc. Computer Science

University of British Columbia

- Teaching Assistantship: Introduction to Software Engineering (150+ students)

Graduation: 2018

BSc. Computer Science

Universidade Salvador

- President of the CS Students' Union
- Teaching Assistant: Intro to Algorithms and Intro to Data Structures
- National Research Scholarship funding for undergraduate research

Graduation: 2015

Experience

SOFTWARE PRACTICE LAB, UNIVERSITY OF BRITISH COLUMBIA

Software Engineering Researcher & Graduate Teaching Assistant

sept 2016 - Current

JUSBRASIL

Software Engineer, Machine Learning

dec 2014 - Aug 2016

- Worked with the Data Science Team, experimenting, building and shipping Large-Scale Machine Learning Systems to over 30 millions users monthly
- Researched and Experimented on NLP, Automatic Text Classification, Stacked Regressions and improvements on Feature Engineering Process
- Implemented Machine Learning Systems using Python and Scikit-Learn
- Developed microservices infrastructures to scale machine learning systems

TECHNICAL DEBT RESEARCH TEAM, UNIVERSIDADE SALVADOR

Research Assistant

aug 2014 - jun 2015

- Researched about the many aspects of Technical Debts in Software Engineering projects
- Designed and Engineered the TDWiki, which led to a publication of a paper in the Puerto Rico's ACIS2015 [1]

AVANSYS

Software Engineering Intern

aug 2013 - jul 2014

- Participated in the Engineering team of the Internal Police Information System
- Implemented features to address customer's needs under CMMI methodology using Java Stack
- Improved data access performance of legacy systems by query optimization and cache techniques

Projects

- Created an offensive text detector for portuguese texts that can be used in web discussion applications, built with Python and Scikit-Learn
- Designed and developed distributed systems using NoSQL (Cassandra, Redis, HBase), Docker, services and infrastructure management (Chef, Consul), Messaging (Celery with RabbitMQ), Python, Unicorn and Scala
- Created an architecture for automatic text classification for Brazilian legal documents, used in JusBrasil

Publications

[1] ALVES, N. S. R.; ARAÚJO, RODRIGO. S.; SPÍNOLA, RODRIGO O. . A Collaborative Computational Infrastructure for Supporting Technical Debt Knowledge Sharing and Evolution. In: Americas Conference on Information Systems, 2015, Puerto Rico. 2015 Americas Conference on Information Systems, 2015

Skills

Proficient with Python, Java and Go
Familiar with Scala, Haskell, JavaScript, C++, Ruby
Design of distributed systems

Design of machine learning systems
Design of scalable software systems and APIs