Daniel S. Bastos

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EDUCATION

B.S. in Computer Science — Jan/20 – Current (Expected: Dec/23)
Pontifical Catholic University of Minas Gerais – PUC Minas — *Belo Horizonte, Brazil*
- Average: 94/100;
- Outstanding Student Prize: 1st semester/21 and 1st semester/22.

Exchange Semester — Sep/22 – Jan/23
Ecole pour l'Informatique et les Techniques Avancées – EPITA — *Paris, France*
- First semester of Master of Science in Artificial Intelligence Systems.

RESEARCH EXPERIENCE

Artificial Neural Networks applied on Power Systems Engineering — Jul/22 – Current
External Research Student in INESC-TEC at Porto, Portugal. — *Advisor: Leonel Magalhães*

Automatic Classification of Risk and Priority in Emergency Care — Jan/22 – Current
Granted FIP Research Scholarship. Preprint in ResearchSquare. — *Advisor: Magali Meireles*

A Study of Training Approaches of a Hybrid Summarization Model — Aug/21 – Jan/22
Co-Author. Article in review process. — *Advisor: Magali Meireles*

A Novel Algorithm for Ranking Candidates — Aug/20 – Dec/21
This research led to a software registration with INPI – Instituto — *Advisor: Luis Zárate*
Nacional da Propriedade Industrial. Registro de Programa de Computador
Processo Nº: BR512022001414-9.

TEACHING ASSISTANT EXPERIENCE

Databases and Intelligent Systems — Aug/21 – Jun/22
Corrected exercises. Organized independent extra teaching classes for midterm review. Also
answered student doubts.

Calculus II — Jan/21 – Jun/21
Corrected exercises and answered student doubts.

WORK EXPERIENCE

Software Engineer — Jan/22 – Oct/22
Kusama — *Remote. Freelance*
Developing the website for the Kusama Society, a static app built with React and Typescript that
connects to the Kusama blockchain.

Software Engineer — Dec/20 – Nov/21
Magrathea Labs — *Remote. Part-Time*
Worked on two main clients:
- US healthcare tech startup client with RoR, React and GraphQL;
- Biggest inbound marketing company in Latin America. We developed a predictive sending feature
with the intent of finding the best time to send emails.

Software Engineer and Consultant — Jan/20 – Nov/20
ThoughtWorks — *Belo Horizonte, Brazil. Full-Time*

- Built digital solutions to decrease transit time of products bought in the client's e-commerce. Dealt with backend and infrastructure tasks, which included API building, authenticating with Amazon Cognito, provisioning pipelines in Jenkins, and so on;
- Programmed in Clojure in non-client projects with other ThoughtWorkers with the intent of self-learning and improvement.

Software Engineer   Jun/17 – Dec/19
Magrathea Labs   *Joinville, Brazil. Full-Time*
- Worked as a backend software engineer. Built web applications with Ruby on Rails with PostgreSQL and Redis;
- Worked with event sourcing, using Google PubSub, for real time processing. Some databases present were ElasticSearch, Redis and Google BigTable.

VOLUNTEER EXPERIENCE

Software Engineer   Feb/19 – Jan/21
TODXS   *Remote*
Improved our already existing bot, Tê, by adding NLP with Dialogflow. With geolocalization, we showed state-scoped places where users could find help in case of LGBTphobia.

Organization Member   Oct/19
Python Brazil Conference   *Ribeirão Preto, Brazil*

Organization Member   Nov/17 – Dec/19
Python and Ruby Joinville Meetup   *Joinville, Brazil*

Mentor   Nov/17 – Dec/19
Rails Girls, Code Like a Girl and PyLadies   *Joinville, Brazil*

COMPLEMENTARY EDUCATION

Introduction to Probability Theory   Jan/21
University of São Paulo – USP   *São Paulo, Brazil*

CERTIFICATES

AWS Certified Developer - Associate   Oct/18 – Oct/21
Amazon Web Services