José Carlos de Oliveira

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INTRODUCTION

MS student in Computer Science and research assistant at the University of Minnesota Duluth. Currently working with opinion, polarization, and consensus in social networks with formal models and subjective logic.

EDUCATION

University of Minnesota Duluth
Aug. 2021 - Current

M.S. in Computer Science
Duluth, MN, USA

- GPA: 3.9/4 as in Fall 2023
- Advisor: Dr. Sophia Knight. (sknight@d.umn.edu)
- Research project: Investigating the suitability of Subjective Logic to model the evolution of polarization in social networks.
- Fully funded as a research assistant.
- Coursework: Theory of Computation, Algorithms and Artificial Intelligence, Data Structures, Modeling with Dynamic Systems
- Coding experience: C++, Python.

Federal University of Minas Gerais
Aug. 2015 - Nov. 2020

B.S. in Computer Science
Belo Horizonte, MG, BRA

- Advisor: Dr. Mário S. Alvim. (msalvim@dcc.ufmg.br)
- Final project: Formalization and verification of sorting algorithms using the Coq proof assistant.
- Coursework: Theory of Computation, Linear Optimization, Information Theory, Graph Theory, Data Science, Human Centered Machine Learning, Quantum Computing, Game Theory, Logic Programming.
- Coding experience: C, C++, Python, Java, SQL, Coq.
- As Undergraduate Research Assistant (Mar. 2018 - Nov. 2020), worked with the Coq proof assistant for formalization and verification of software. Also worked with Subjective Logic aiming to improve a formal model for group polarization in social networks.

EXPERIENCE

Full-Stack Developer
Mar. 2021 – July. 2021

Most Specialist Technologies
Belo Horizonte, MG, BRA

- I worked with Angular and C# on the landing page of MostQI, Most's document reading tool. In particular, I made updates and improvements to the document analysis API, a tool that builds a graph that connects documents by their fields.

Teaching Assistant
Jan. 2019 – Dec. 2019

Federal University of Minas Gerais
Belo Horizonte, MG, BRA

- Aided the Computer Programming instructor in evaluating student projects, and helped students with additional classes. The programming language used in the course was Python.

Web and Mobile Development Intern
Sep. 2017 – Feb. 2018

BeeStart
Belo Horizonte, MG, BRA

- Worked on web and mobile apps for new startups with Laravel, Firebase, and React Native.

Web Development Intern
Mar. 2016 – Sep. 2017

Rockett
Belo Horizonte, MG, BRA

- Worked on a tool for creation of websites with Angular.JS.