

José Carlos de Oliveira Júnior

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Introduction and Objectives

Undergraduate student of BS in Computer Science at Federal University of Minas Gerais. Undergraduate Researcher studying Coq proof assistant for formalization and software verification, and subjective logic. Previously Teaching Assistant at Computer Programming class at Federal University of Minas Gerais, Web and Mobile Developer with React Native, Angular.JS, PHP, and Firebase technologies.

Education

- Ago. 2015–Current **BS in Computer Science**, *Federal University of Minas Gerais*, Belo Horizonte.
Final project: Verifying sorting algorithms correctness with the Coq proof assistant.
- Mar. 2012 – Jan. 2015 **Computer Technician**, *Federal Institute of the Northern Minas Gerais*, Salinas.

Relevant Experiences

- Dec. 2017–Current **Undergraduate Researcher**, *Federal University of Minas Gerais*, Belo Horizonte.
Introduction to Coq proof assistant. Advisor: Mário Sergio Alvim.
Studying logic, functional programming, proof techniques, Coq proof assistant and subjective logic.
- Mar. 2019–Dec. 2019 **Teaching Assistant**, *Federal University of Minas Gerais*, Belo Horizonte.
Computer Programming with Python at Engineering classes.
- Sep. 2018 **Contestant**, *ACM ICPC - Brazilian Regionals - First Phase*.
Part of the *UFMG Coq Intensive* team, ranking 130th out of 1156 teams.
- Sep. 2017–Feb. 2018 **Systems Analyst**, *BeeStart*, Belo Horizonte.
Worked on web and mobile apps for new startups with PHP, Firebase and React Native.
- Mar. 2016–Set. 2017 **Web Development Intern**, *Rockett*, Belo Horizonte.
Worked on a tool for creation of websites with Angular.JS.
- Nov. 2015–July. 2017 **Member**, *UFMG Informática Júnior*, Belo Horizonte.
As Human Resources Director, worked in the process of selecting new members.
As Developer, worked in Web and WordPress projects.
- Mar. 2014–Jan. 2015 **Researcher as Technician Student**, *Federal Institute of the Northern Minas Gerais*, Salinas.
Georeferencing and the internet as tools for dengue mosquito control (*Aedes aegypti*) in Salinas - MG.
Advisors: Filipe Vieira Santos de Abreu and Patricia de Oliveira Lucas.
Created and maintained a website with data about dengue mosquito traps in two neighborhoods in Salinas over a year.

Relevant Skills

Programming	C, C++, Python, Coq, SQL, JavaScript, PHP	
Web and Mobile	React Native, Angular.JS, CSS and HTML, Firebase	
Languages	Portuguese: Native	English: Intermediate

Projects

- Salon React Native and Firebase. Marketplace mobile app for beauty salons.
- Mecânico Digital PHP and Firebase. Marketplace web app for repair shops.
- Rockett's Site Editor Angular.JS. Added new features, created new templates, and fixed errors.

Links

- GitHub <https://github.com/joseoliveirajr>
- LinkedIn <https://www.linkedin.com/in/jcarlosoliveirajr/>