



FABRICIO J. C. MONTENEGRO

FRONT-END DEVELOPER

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may 2021

EDUCATION

Master Degree in Computer Science | 03/2019

Universidade Federal de Santa Maria
#NeuralNetworks #Robotics #Simulation

Bachelor Degree in Computer Science | 06/2015

Universidade Federal de Santa Maria
#Robotics #Simulation #SoftwareEngineering

SKILLS

Languages

- Portuguese (Native)
- English (Fluent - IELTS Score: 8 - 08/2019)
- German (Beginner)
- French (Beginner)

Personal

- Excellent communication
- Excellent personal organization
- Self-learner
- Drive for innovation
- Problem solver

KNOWLEDGE

Web

- React (+React Native)
- Angular
- HTML + CSS + JS
- NodeJS

Tools

- TypeScript
- Jest
- Git

Software Engineering

- Documentation
- Software Lifecycle
- A/B Testing
- Agile Development
- Componentization

Scientific

- Simulation
- Machine Learning (Neural Networks, Genetic Algorithms)

PROFESSIONAL EXPERIENCE

EmbraerX | 03/2021 → currently

Aviation and Aerospace | US + Brazil (Full Remote) | English + Portuguese (BR)

Front-End Engineer

- Front-End development for web, iOS, and Android based on React Native, React, and GraphQL
- Development, based on user stories, of high-performing, reusable, responsive UI components
- Source control through git and collaboration through GitHub (Pull requests and reviews)

Dell | 10/2019 → 03/2021

Computers and Services | Porto Alegre - Brazil | English + Portuguese (BR)

Web Production Analyst → Software Engineer

- Collaboration with a global team (Brazil, US, India, Ireland)
- Development of A/B tests by manipulation of the DOM using injected JavaScript and jQuery code
- Worked on the publishing of a promotional game for the launch of Katy Perry's album "Smile" at Dell's Alienware website
- Full-stack development of an internal PMS using MongoDB, ExpressJS, and Angular
- Participation in the management and planning of an Electron App for CI/CD, and creation of a VSCode Extension with snippets, plugins, and tools for internal use.

Conplan Sistemas | 04/2019 → 09/2019

Software House | Santa Maria - Brazil | Portuguese (BR)

Full Stack Developer

- Development of a PHP system, with a MySQL database and HTML, CSS, and Javascript
- Consumption of APIs for generation of digital invoices
- Implementation of form validation and tests

Taura Bots + Wolves FC | 12/2014 → 07/2016

Robotics Teams | Santa Maria - Brazil + Wolfenbüttel - Germany | Portuguese (BR) + English + German

Robot Programmer (Voluntary + Scholarship)

- Voluntary work on Taura Bots (Brazil) and 4 months scholarship on Ostfalia University of Applied Science's robotics team, Wolves FC (Germany)
- Development of robotics simulations and AI behavior for humanoid robots using Python
- Development of a Machine Learning-based approach for object detection in video
- Team Management and Project Management
- Training of Neural Networks and development of a published scientific paper (<https://ieeexplore.ieee.org/document/8588573>)

INPE | 11/2011 → 11/2013

National Institute of Space Research | Santa Maria - Brazil | Portuguese (BR)

Full Stack Developer / Support Analyst

- Support and maintenance of 200+ Linux and Windows machines
- Conception and Full Stack Development of an intranet system using Django.

WP8 | 08/2011 → 12/2011

Digital Marketing Agency | Santa Maria - Brazil | Portuguese (BR)

Front-end Developer (Contract)

- Front-End Development of professional websites
- Turning mockups and designs into functional websites.

Taska | 08/2009 → 03/2011

Digital Marketing Agency | Santa Maria - Brazil | Portuguese (BR)

Full Stack Developer (Internship)

- Full Stack Development of professional websites using PHP and jQuery
- MySQL Databases management
- Turning mockups and designs into functional websites