

JOÃO VICTOR MANKE

Web Development Enthusiast

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EXPERIENCE

Full Stack Web Developer

WEG Electric Motors

📅 Spring 2019 - Ongoing 📍 Jaraguá do Sul - SC, Brazil

Section of Process Optimization and Automation

- Develop company web applications to optimize productivity in new product development:
 - Large scale project management application with online progress reports and multi-area coordination and cooperation;
 - Integer programming optimizer for losses in generalized multi-material roll cutting process;
 - In-depth product cost analysis application for cost reduction opportunity projects;
- Manage team code standards, development workflow and standard application stack:
 - Next.js + React;
 - PostgreSQL + Hasura GraphQL;
 - FastAPI for APIs with Python requirements.

International Internship

Wuxi Ecovi Technology Co. (WEG Electric Motors)

📅 Fall 2017 📍 Changzhou - Jiangsu, China

Department of Research and Development of Drives

- Propose software changes to motor control and measuring routines to achieve customer requirements.

Exchange Student

Cornell University

📅 Spring 2014 - Fall 2014 📍 Ithaca - NY, United States

Department of Electrical and Computer Engineering

- Create traffic simulations in order to measure the efficiency of path-finding algorithms in a dynamic environments;
- Design artificially intelligent autonomous robot.

ACADEMICS

Engineer's Degree in Electrical Engineering

Federal University of Santa Catarina (UFSC)

📅 2012 - 2019 📍 Florianópolis - SC

Graduated with a 8.46 GPA out of 10.

Research Assistant

Digital Signal Processing Research Lab - UFSC

📅 2016 📍 Florianópolis - SC

Implement statistical signal processing algorithms to fuse microphone recordings for improved voice recognition performance.

LANGUAGES

English ●●●●●

Portuguese ●●●●●

SKILLS

HTML CSS Python Typescript

Javascript

React Express REST GraphQL

Node.js Next.js FastAPI

MongoDB PostgreSQLs