

# Diego Mendes Moreno

*Software Engineer - Brazilian, 05/Jan/1991*

Vila Madalena - Sao Paulo / SP - Brazil (open to remote)

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## Profile

I have graduated as an Electronics Engineer and have an MBA in Software Engineering. I have experience developing industrial and web applications. My main skills are related to software development in general, following agile software engineering practices.

## Skills

**Programming** - C, Python, Javascript, HTML, CSS

**Software Engineering** - Git, GitHub, Agile Methodology, Unity/MinUnit (tests), Linux

**Languages** - Portuguese native speaker - Fluent English - Advanced Spanish - Intermediate French

**Soft skills** - Continuous learning attitude, customer facing communication, team player

## Education

Impacta Tecnologia, São Paulo, SP (Brazil) - 2022

**MBA Software Engineering**

Centro Universitário da FEI, São Bernardo do Campo, SP (Brazil) - 2015

**Bachelor of Electronics Engineering**

University of Alabama at Birmingham, Birmingham, AL (USA) - 2013

**Bachelor of Electrical Engineering** (one-year Student Exchange Program)

- Science without Borders Program sponsored by CAPES (Brazilian government)

## Experience

Staff Field Application Engineer | Renesas Electronics, São Paulo, SP (Brazil)

February 2022 - Present

- Provided support for embedded software development
- Provided support for use and configuration of integrated development environments and software debugging tools
- Delivered technical training sessions and product demos
- Part of a worldwide remote team with a hands-on customer facing role

Embedded Software Engineer | J.Assy, São Paulo, SP (Brazil)

February 2021 - February 2022

- Development of embedded software for precision planting (Agribusiness) products
- Working with Agile practices and tools (Jira, Git, BitBucket, Confluence)
- Developed, tested and documented a wireless sensor gateway with a CAN API interface
- Worked to add, refactor and integrate code into a large decentralized codebase
- Added new CAN sensor support to extend the functionality of current products
- Development of monitoring software for a lab testing gear using Python
- Developed a Proof of Concept (PoC) IoT project end-to-end, with Wi-Fi connectivity and a RESTful Web Server that hosts a Web App for monitoring sensors

- Also built the Web App for the PoC with HTML, CSS and JavaScript that consumes the API created in the RESTful Web Server
- Implemented a version control friendly Documentation practice with Markdown and PlantUML for product docs

## Field Application Engineer | Karimex Componentes Eletrônicos, São Paulo, SP (Brazil)

May 2014 - February 2021

- Development of embedded software for 8-bit, 16-bit and 32-bit microcontrollers for various applications
- C and Python development for Embedded Linux
- Embedded Linux customization using the Yocto Project
- Development of graphical user interfaces (GUI) with Qt
- Active use of Git/GitHub for version control
- Use of IoT Web services (MQTT/HTTP) like Tago.io and AWS
- Experience with Wi-Fi (IEEE 802.11), Bluetooth Low Energy (BLE) and TFT control stacks
- Technical training on embedded systems
- Technical support on embedded systems and power electronics
- Development and delivery of product and prototype demonstrations
- Technical visits in customers
- Electronic component specification and cross reference for various applications

## Software Engineer Intern | Itaú Unibanco S.A., São Paulo, SP (Brazil)

October 2013 - May 2014

- Development of macros (VBA programming) for automation of spreadsheets

## Research Intern | Centro Universitário da FEI, São Bernardo do Campo, SP (Brazil)

October 2013 - January 2015

- Software and hardware development of an embedded frequency inverter for UPS (uninterruptible power supply) systems

## Research Intern | University of Alabama at Birmingham, Birmingham, AL (USA)

February 2021 - February 2022

- Experience using high-performance computing (HPC) to process diffusion tensor imaging (DTI) through Shell commands in a Linux/Unix based system