

# Davi Frossard

*Software Developer*

## Resume

Bachelor's degree in Control and Automation Engineering and technical diploma in Electronics. Almost two years of experience developing embedded software, with good knowledge of C/C++, real time applications and ARM based architectures. More than five years working with electronics, microcontrollers and prototyping.

## General and Contact

Brazilian, 24 years old  
Manaus – AM / Brazil  
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## Competencies

C/C++, Assembly, VHDL, JavaScript, Git, MATLAB, Office, LaTeX, Linux, ROS, JIRA, SCRUM, FPGA

## Soft skills

Easy-going person, natural leader and good communicator. Usually looks for new ideas to do something well-established, driven by results. Prefer complex and analytical tasks, showing fast and autonomous learning. Can handle unexpected changes and obstacles without great difficulties. For more information, please take a look at [assessfirst.com/davi-frossard](https://assessfirst.com/davi-frossard)

## Languages

Portuguese (Native)  
English (Advanced)

## Awards and Honors

Federal University of Minas Gerais (UFMG - February 2019) - Gold Medal for achieving the highest overall average among the class of 2018/2 graduates.

## Experiences

*SIDIA - Samsung R&D Institute of Amazonia*

Software Developer

- Development of new accessibility features for Samsung TVs, improving user experience for people with visual/hearing impairments using multi-language platforms: C++, C#, Python, JavaScript
- Development and maintenance of GINGA DTV/ISDB middleware
- Heavy user of Git, Linux and Scripts (shell)
- Experience with Static Analysis, SCRUM, Kanban

July, 2019 – Present (Manaus/Brazil)

*UFMG - Federal University of Minas Gerais*

Laboratory Technician at the Department of Electronic Engineering

- Electrical/electronic equipment maintenance
- Technical specification, purchase and control of electronic components
- PCB design, manufacturing and testing
- Assisting students and teachers in educational and research activities

July, 2017 – June, 2019 (Belo Horizonte/Brazil)

*Otimiza Solutions*

Vacation Internship, Software Development Department

- Embedded systems design using Assembly, C++ and C#
- Proof-of-Concept developments, using Raspberry/Arduino for access control and remote assets identification system using network protocols such TCP, UDP and HTTP.
- Developing applications using GPIO, UART, I2C, SPI, ADC, ISR, etc.

October, 2016 – February, 2017 (Belo Horizonte/Brazil)

*UFMG - Federal University of Minas Gerais*

Teacher Assistant in Digital Systems course

- Assisting students in their final project of a CPU implemented in a FPGA using VHDL language. Great understanding of MIPS 32-bit architecture and RTL design paradigms.
- Supporting teachers with class planning and laboratory maintenance

August, 2015 – June, 2016 (Belo Horizonte/Brazil)

## Academic Education

*Federal University of Minas Gerais (UFMG)*

Bachelor Control and Automation Engineering (2014 - 2018)

*Federal Center of Technological Education of Minas Gerais (CEFET-MG)*

Technical Diploma in Electronics (2011 - 2013)

## Other Activities

*Eighth Presbyterian Church of Belo Horizonte*

Small Groups Leader and Volunteer (2016 - 2019)