

# Diego Dorta - Curriculum Vitae

## Personal Information

 Software Engineer | Free Software Enthusiast | 8+ years of experience working with C, Python and GNU/Linux.




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## Professional Experience







### Variscite Ltd | ARM System On Module Designer

-  Senior Software Engineer (R&D Team) |  July, 2021 to present
  - Linux Board Support Package (Yocto) and Machine Learning Applications Developer for NXP platforms.
    -  [Webinar: Embedded Machine Learning Applications on Variscite System on Modules.](#)




### Robert Bosch GmbH | Bosch Integrated Solutions Brazil

-  Innovation and Technology Engineer (R&D Team) |  April, 2021 to June, 2021
  - FreeRTOS developer for IoT devices pertaining to the smart conveyor for mining.
    -  [Smart Conveyor for Mining \(Dot and Gateway\).](#)





### NXP Semiconductors | Automotive, Security, IoT

-  System and Application Engineer (System Engineering Team) |  August, 2018 to February, 2021
  - Artificial Intelligence and Machine Learning Applications Developer;
    -  [A Python Demo Framework for eIQ on i.MX Processors.](#)
  - User Interface and Multimedia Applications Developer (Qt, GTK, GStreamer);
  - Bootloader (U-Boot) and Kernel Driver Contributor (Ethernet, USB), and Root File System (Buildroot, Yocto).
-  Research and Development Intern (R&D Team) |  June, 2016 to July, 2018
  - Development of Machine Learning Applications, Open Source Contributions and Documentation Review.
    -  [Creating Qt Application for i.MX Embedded Systems.](#)

### CNPEM | Brazilian Synchrotron Light Source

-  Computer Engineering Intern (Beamline Software Group) |  January, 2014 to December, 2015
  - Scientific Instruments and Driver Applications Developer.
    -  [Published EPICS Drivers for Scientific Instruments.](#)

## Academic Background

-  University of Campinas (M.E, Artificial Intelligence and Machine Learning) |  Present
-  Pontifical Catholic University of Campinas/UniMetrocamp (B.E, Computer Engineering) |  August, 2018

# Language Skills













- **Portuguese** (*native*), **English** (*Proficient*), and **Spanish** (*Beginner*).

## Technical Skills

- **Programming Languages and OS**
  - Proficient in *C*, and *Python*. Competent in *C++*, and advanced knowledge on GNU/Linux System.
- **Other Hard and Soft Technologies**
  - *AsciiDoc*, *Markdown*, *Git*, *Docker*, *Shell Script* (*Bourne Shell*, *Bash*), *EPICS*, *POSIX*, *GCC*, *Clang*, *Licences*.

## Technical Writing and Speaking





### Blog Articles

- 📅 2022 |  [Getting Started with Machine Learning](#)
- 📅 2022 |  [Compare the differences between the NXP i.MX8 Graphic Accelerators](#)
- 📅 2022 |  [How to Change the BSP Logos](#)
- 📅 2021 |  [Creating a Custom Yocto BSP Layer](#)
- 📅 2018 |   [Bootting i.MX6 Processor Under One Second](#)
- 📅 2018 |   [How to Decrease Boot Time on i.MX6 Processor](#)
- 📅 2017 |   [Creating Qt Application for i.MX Processors](#)
- 📅 2016 |  [Boot Time Research Enhancement](#)
- 📅 2016 |  [How to Measure Network Speed and Bandwidth on i.MX Platforms](#)

## Trainings & Presentations

- 📅 2021 | AI/ML Presenter for Grossenbacher Systeme (St. Gallen, Switzerland)
- 📅 2020 | AI/ML Presenter at SIEEL (*USP*, *Ufscar*) (Campinas, SP)
- 📅 2019 | Linux Kernel Support Presenter at Institute of Computing (*Unicamp*) (Campinas, SP)
- 📅 2019 | i.MX Hands-on Presenter at NXP (Campinas, SP)
- 📅 2019 | AI/ML Presenter at NXP Tech Days (Irvine, CA)
- 📅 2019 | AI/ML Presenter at NXP Tech Days (Austin, TX)
- 📅 2018 | AI/ML Introduction Presenter for SE Team (Austin, TX)
- 📅 2017 | i.MX Hands-on Presenter at FTF Brazil (São Paulo, SP)

## Publications & GitHub Projects

- 📅 2022 |  [Documentation for Machine Learning and Multimedia Python API for Developers](#)
- 📅 2022 |  [Repository for Machine Learning and Multimedia Python API for Developers](#)
- 📅 2022 |  [Demos repository for Machine Learning and OpenCL](#)
- 📅 2022 |  [Recovery SD Card Writer Tool for Customers](#)