

Mauro CHIOZZI

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PROFESSIONAL EXPERIENCE

- FEB/2019 - Oct/2020 **Quality Engineer Intern at Embraer S/A** - Botucatu, SP/BR
Key-responsibilities: Process Automation; Non-Conformity Analysis between international sites.
- JAN/2017 - Dec/2018 **Software Engineer Intern at SINFO** - Natal, RN/BR
Key-responsibilities: new features development using TDD (Java).

ACADEMIC EDUCATION

- JUL/2016 - Oct/2020 **Mechanical Engineer**
Final Thesis: [Multi-axis loadcell development for AeroDesign Analysis](#)
Federal University of Rio Grande do Norte (UFRN) - Natal, RN/BR
- JAN/2013 - Jul/2016 **Bachelor of Sciences & Technology**
Mechanical Technologist, emphasis on Thermodynamics Systems
Federal University of Rio Grande do Norte (UFRN) - Natal, RN/BR

ACADEMIC EXPERIENCE

- MAY/2018 - Oct/2020 **Car-Kará Aerodesign SAE Team member - UFRN**
Current Supporting Field: Electronic Design & Data Acquisition Advisor
Previous Experience: Embedded System Designer & Data Acquisition Manager
- MAY/2015 - Oct/2020 **Car-Kará Baja SAE Team member - UFRN**
Current Supporting Field: Electronic Design & Data Acquisition Advisor
Previous Experience: Embedded System Designer & Data Acquisition Manager, and Team Co-Leader
- JUL/2017 - Nov/2017 **IEEE Student-branch Volunteer - Bahia Section / R9 - UFRN**
Technical Committee
- AUG/2016 - Aug/2017 **Scientific Undergraduate Research - UFRN**
"Modalities Concurrency: Fundamentals and Applications in bioinformatics and Service-Oriented Computing"
PIB12828-2016 Advisor: Carlos Alberto Olarte Vega
- JAN/2014 - Aug/2016 **Undergraduate Teacher Assistant - UFRN**
'Programming Logic' course
'Introduction to Programming' course
- FEB/2014 - May/2015 **Mechatronics Introduction Group (GIM) Volunteer - UFRN**
Teacher in 'Introduction to Embedded Systems: Arduino Development'

PARTICIPATION IN SAE¹ COMPETITIONS

“SAE International’s Collegiate Design Series (CDS) competitions take students beyond textbook theory by enabling them to design, build, and test the performance of a real vehicle and then compete with other students from around the globe in exciting and intense competitions.” - [SAE International](#)

2018	International: Baja SAE Kansas Phase - 10 th Overall National: 20 th Aerodesign SAE Brasil - 2 nd Overall
2017	National: 23 rd Baja SAE Brazil - 5 th Overall Regional: 13 th Northeast-Phase Baja SAE - 14 th Overall
2016	National: 22 nd Baja SAE Brazil - 9 th Overall

PROJECTS

For more projects and details, navigate to website maurochiozzi.github.io/#/projects

- Centralized Embedded System for off-road vehicle;
- Distributed Embedded System for off-road vehicle;
- Carbon fiber steering wheel with integrated dashboard;
- Distributed Embedded System for radio-controlled airplane;
- Real-Time data view application for telemetry systems.

LANGUAGES

PORTUGUESE:	Mother Language
ENGLISH:	Fluent
SPANISH:	Intermediary
ITALIAN:	Beginner

COMPUTER SKILLS

ADVANCED KNOWLEDGE:	SolidWorks, Microsoft Office Suit and Similar, Python, Java, Arduino, Proteus Ares & Isis, SciLab, MS Project, RapidHarness, VisualBasic/VBA, LaTeX, C/C++, Git (VCS)
INTERMEDIATE KNOWLEDGE:	Ansys Workbench, SketchUp, Slack, Power BI, Django, DRF, SQL, React, UML, HTML, CSS
BASICS KNOWLEDGE:	Lisp, Prolog, LINUX, FluidSIM, Daikin Psychometrics, QT, Maude, Geogebra, Java Server Faces, Thymeleaf, Spring MVC, Catia, SAP, SAP Script, Web Scraper, MatLab, Microsoft Access

¹Society of Automotive Engineers