LEONARDO **MORAES**

Masters Student on Microelectronics

PROFESSIONAL EXPERIENCE

2016 – 2018

SCIENTIFIC INITIATION FELLOW

Universidade Federal do Rio Grande do Sul (UFRGS)
Porto Alegre, RS

Research project focused on the analysis of layout robustness over process variability.

2018 – Present

MASTER IN MICROELECTRONICS

Universidade Federal do Rio Grande do Sul (UFRGS) @ PGMICRO
Porto Alegre, RS

Research project focused on enabling the application of robustness enhancing circuitry on Low Power IoT devices at FinFET technology node.

EDUCATION

2012 – 2018

COMPUTER ENGINEERING DEGREE

Universidade Federal do Rio Grande do Sul (UFRGS)
Porto Alegre, RS

Publications:

Moraes, Leonardo Barlette de, et al. "Evaluation of variability using Schmitt trigger on full adders layout." *Microelectronics Reliability* 88 (2018): 116-121. https://doi.org/10.1016/j.microrel.2018.07.061

Moraes, L. B., et al. "Exploring Schmitt Trigger Circuits for Process Variability Mitigation." *2019 17th IEEE International New Circuits and Systems Conference (NEWCAS)*. IEEE, 2019. https://doi.org/10.1109/NEWCAS44328.2019.8961235

Moraes, L. B., et al. "Minimum Energy FinFET Schmitt Trigger Design Considering Process Variability." *2019 IFIP/IEEE 27th International Conference on Very Large Scale Integration (VLSI-SoC)*. IEEE, 2019. https://doi.org/10.1109/VLSI-SoC.2019.8920297

ABOUT ME

I am a Masters student in Microelectronics and look for internships in areas compatible with my specialization. I hope to learn new skills, work on a team and solve problems. I am punctual, responsible and proactive.

SKILLS

Apart from skills developed during my BS, involving programming, circuit analysis, and basic knowledge. During my academic experience I mostly work on Virtuoso® designing layouts on different PDKs, SPICE for electrical simulations, and overall scripting/programming (Shell script, Python and C/C++, mostly). For more general skills, I have plenty of experience working on Linux, office-related programs and Latex.

LANGUAGES

Portuguese	Native/Fluent
English	Advanced
Spanish	Basic

Lattes

Research Gate

ORCiD

Linkedin

CONTACTS

Porto Alegre, RS, Brazil

+55 51 992736808

lbmoraes@inf.ufrgs.br