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Pedro H. Neves Santos

Hardware Engineer

CONTACT

phns2006@gmail.com
Campinas-SP, Brazil

LINKS

phneves.github.io
linkedin.com/in/phnevessantos

LANGUAGE

PORTUGUESE
Native Speaker

ENGLISH
Fluent for reading and writing
Advanced for speaking and listening

SKILLS

HARDWARE
Experienced:
Altium Designer • LTSPice • PCB bring-up • Prototype validation tests Schematic and PCB Layout.

SOFT/FIRMWARE
Familiar:
C • Matlab • PHP • LaTeX

EXPERIENCE

QUALCOMM | Senior Hardware Engineer
Oct 2019 - Present | São Paulo, SP

- Hardware design; Schematic and PCB placement;
- Product development assistance; Hardware and Product documentation;

EMBRAER | Product Development Engineer
Jan 2019 - Oct 2019 | Campinas, SP

- Hardware design; Schematic and PCB layout;
- Product development assistance; Hardware and Product documentation;

PADTEC S/A | Hardware Engineer
Jul 2016 – Jan 2019 | Campinas, SP

- Hardware design for DWDM optical systems (schematic and PCB layout); PCB debug and bring-up;
- Product development assistance; EMI/EMC testings assistance; Hardware documentation. Maintenance of legacy products. EOL management.
- Important projects: Optical Amplifier; Optical Submarine Line Amplifier; Combiner ODU-XC 8x2 10G

IBRAMED | Project Analyst
Nov 2015 – Jul 2016 | Amparo, SP

- Hardware design for medical equipment. Projects based on micro-controllers Atmel, Microchip and Renesas. Hardware for solid state lasers for medical application.

PADTEC S/A | Internship
Jan 2014 – Dec 2014 | Campinas, SP

- Small hardware projects; Debug of a proprietary embedded computer with Intel Atom;
- Test setup; Altium libraries maintenance and updates.

EDUCATION

UNICAMP | M.S. in Electronic Engineering
Jan 2020 – Present | Campinas, SP
Department of Systems and Energy of Unicamp.
Advisor: Ernesto Ruppert Filho, PhD.
Project Category: Switched Mode Power Supply

USP | B.S. in Electrical Engineering
Jan 2008 – Dec 2014 | São Carlos, SP
São Carlos School of Engineering - Department of Electrical and Computer Engineering.
Undergraduate research project: Boost DC-DC converters
Exchange program: Hansa Language Centre - Toronto, Canada