

ESTEVAN CHIA HUNG TU



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• Nationality : Brazilian

EDUCATION

PhD in Electronic Engineering

University of Bordeaux

📅 2023 - Ongoing 📍 Bordeaux, France

- CIFRE Thesis with NXP Semiconductors France
- PhD title: "High Quality Factor Oscillator Design for High Performance Radar Waveform Generator"

M.Sc. Electronic Systems

University of Bordeaux

📅 2020 - 2021 📍 Bordeaux, France

- Graduating with Highest Honors - Second in class (of 37 students)

Masters in Electronic Engineering

ENSEIRB-MATMECA (Bordeaux INP)

📅 2019 - 2021 📍 Bordeaux, France

- Graduating with Highest Honors - Second in class (of 85 students)
- Double degree through the BRAFITEC project of excellence (being awarded a full scholarship from the Brazilian government)
- Speciality: Radiofrequency (RF)

Electrical Engineering

Federal University of Paraná - UFPR

📅 2016 - 2021 📍 Curitiba, Brazil

- Double degree at Enseirb-Matmecca through the BRAFITEC project
- Grade: 0,9394/1 (First in class)

EXPERIENCES

Internship

NXP SEMICONDUCTORS

📅 02/2021 - 07/2021 📍 Toulouse, France

- Development of new pre-matching structures for GaN transistors to improve their performance for 5G applications
- Design of a stable power amplifier with an output power of 57.2 dBm

Internship

IMS Laboratory

📅 06/2020 - 09/2020 📍 Talence, France

- Design of a TMTC (2.2 GHz) Tx/Rx radio card for Nanosatellite applications. Responsible for the Rx reception part

SKILLS

Keysight ADS Cadence Virtuoso
Proteus Radiofrequency RF Design
RF Measurements Matlab CST
Arduino C++ Microsoft Office
Communication Project management

PROJECTS

Présentieirb

📅 2020-2021 📍 Enseirb-Matmecca

- Development of a low-cost electronic device capable of recording student attendance in a contactless manner
- Project created to solve an everyday problem using circuits and systems
- Project presented at the Student Workshop of the International Conference NEWCAS 2021 (IEEE)

Graphogame

📅 2020 📍 Enseirb-Matmecca

- Integration of electronic components with an Arduino to create a device and an interface to obtain information on the force applied by the fingers of a person with dysgraphia
- In association with a graphic therapist

Smart Cat Flap

📅 2019 📍 Enseirb-Matmecca

- Development of a prototype of a smart cat flap allowing the entry of a cat with a passive resonant tag at 13.56 MHz
- Study and development of an oscillator

LANGUES

- PORTUGUESE : bilingual
- SPANISH : bilingual
- ENGLISH : advanced
- FRENCH : advanced
- CHINESE : advanced