

Chaymaâ ZRAIBI

Master Student: Telecommunication and RF System Engineering

✉ chaymaa.zraibi@gmail.com
📍 Würmtalstr 27, Munich
📅 22 years old
☎ 01512 4431090

Objective: To pursue a researcher career in an international organization and develop my analytical and technical skills to benefit mutual growth and success.

Educational Background

From Sept. 2018
to Mar. 2019

Exchange Engineering Student in Telecommunication and Automation / Hochschule Rosenheim - University of applied sciences Rosenheim, Germany

From Sept. 2016
to July 2018

Embedded Systems and Energetics Engineer / École Nationale Supérieure d'électricité et de mécanique de Nancy Nancy, France
Option: Systems, Information and Energy: design of intelligent and communicating systems for controlling energy systems optimally.

From Sept. 2014
to July 2016

Preparatory Classes for high Engineering Scool / Mohammed V Preparatory Center Casablanca, Morocco
Mathematics, Physics and Engineering Sciences

From Sept. 2013
to July 2014

Baccalaureate Degree / Technical High School Al Khawarizmi Casablanca, Morocco
Option: Mathematics and Engineering Sciences

Professional Experiences and Projects

Since Apr. 2019

Master Thesis / INFINEON TECHNOLOGIES AG Munich, Germany
Comparison of SiGe and GaN RF power amplifiers for 5G mm-wave front-ends. Perform Digital Predistortion and compare power back-off in the case of hybrid beamforming.

From Sept. 2017
to Sept. 2018

President / ENSEM Eco-Marathon Association Nancy, France
Designing a one-man electric car supplied by Hydrogen, placed third at the competition Shell Eco Marathon 2018 held in London in the category Hydrogen-urban concept.
Main projects: Modeling of the vehicle using Simulink/Matlab; Implementation of an autopilot using an optimal command algorithm.

From Jun. 2018
to Aug. 2018

Internship / ENSEM Conseil / NEOTECHPRO Corporation Nancy, France
Project: Two-sided solar panels : Performance evaluation and comparison with a single-sided panel.
Tasks: Conception of the command circuit and Simulink program as well as display of key measurements on dSPACE ControlDesk.

From Jun. 2017
to Aug. 2017

Internship / Yonsei University - YSU Seoul, South Korea
Optimization of energy consumption of an automatic portal system.

Skills

Solid state electronics

Real time embedded systems

RF and microwave systems

Satellite navigation

Static and dynamic optimization, Kalman filtering

Conception of numerical systems, digital circuits and PCB design

Languages

French Fluent

English Proficient (Toefl score: 97)

Korean Fluent

German Intermediate

Assets

Measurement Equipments Signal Generator, Network Analyzer, Spectrum Analyzer, Power Meter, Oscilloscope, Current and Voltage Sources, Digital Multimeter

Model-Based Design Simulink, Labview, SystemVue, Catia, CPNTools, Quartus(VHDL), KiCad

Programming Languages C, C++, JAVA, Python, PL/SQL, MATLAB

Interests

Other interests: Education, Research and Innovative Technologies, Languages and Cultures

Competitive programming World Champions Programming School at Toulouse- December 2016

About me

Eager and fast learner, Remarkable communication skills, Strong adaptation and team integration skills