

# Laura-Alexandra Gheorghe

Electronics Engineer



## Work Experience

### Behavioral Modeling Engineer, Infineon Technologies

2018 - Present

I work in the Smart Power department for the Customer Product Modeling team.

In this position:

- \* I develop analog and digital models as power switches for different simulators: OrCad, LTspice, SIMetrix, Tina, Saber, MATLAB/Simulink. I check the model functionalities after the model development by running system custom tests.
- \* I improved my knowledge of MATLAB by achieving and implementing a script that verifies any model library.
- \* I fit thermal networks for models, RC Cauer Networks and RC Foster Networks.
- \* I elaborate documentations by using tools like Visio, Microsoft Office for every model issue, update, development for rigorous work.
- \* I work in a professional team.
- \* I participate at meetings and I accomplish presentations to share informations and to align with my colleagues in order to achieve best behavioral models.
- \* I interact with the Applications Engineers and the customers directly.

### Student Internship, Infineon Technologies

June 2017 - September 2017

I worked in the Body Power department for the Analog Design team.

As a result of this internship, I have gained a lot of knowledge about both semiconductor physics as well as the designing of integrated analog circuits.

My internship project was designing and testing a CURRENT REFERENCE.

The project was developed in Virtuoso Analog Design Environment.

The current reference consisted of the following analog blocks:

- \* power source;
- \* bandgap circuit;
- \* current trimming circuit;

## Personal Info

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*Nationality*

Romanian

*Driving License*

AM, B1, B

*Date of birth*

## Skills

C Programming

analog circuits

software platform

Electronic Circuits

good communication skills

data sheet

DIGITAL CIRCUITS

Analog Design

Electronics

semiconductor

FPGA

LEDS

LTspice

MATLAB

Microelectronics

Microelectronic

Microsoft Office

Visio

I used a dedicated software platform for entering and processing results in swimming competitions.

As a result of my work I have learned to work under pressure, to give in time all requirements, to be very strict, to communicate in an efficient way and to work in a team.

**Bachelor's Degree, National College Gheorghe Sincai Bucharest**  
September 2010 - June 2014

Running, playing badminton, cooking, walking, reading.

