

CELIA HERMOSO DÍAZ

Embbded Systems Master's Student at EIT Digital

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EDUCATION AND TRAINING

Double Master's Degree in Embbeded Systems

European Institute of Technology and Innovarion

September 2021 - Present

- Entry year at Eindhoven University of Technology (Netherlands).
- Summer School on solutions for healthier digital cities.
- Exit year at KTH Royal Institute of Technology (Sweden).

Telecommunication Engineering

E.T.S. of Computer and Telecommunication Engineering

September 2017 - July 2021

University of Granada (Spain)

- Exchange Abroad Program 2020-2021, Electronics Engineering at École polytechnique fédérale de Lausanne (Switzerland).

EXPERIENCE

Research intern

EPFL Power Electronics Laboratory

June 2021 - August 2021

Lausanne (Switzerland)

- Research internship at the Power Electronics Laboratory where I developed a GUI for a Design Optimization tool of Medium Frequency Transformers.

Pole Leader - Electrical Power System of CHESS

EPFL Spacecraft Team

February 2021 - June 2021

Lausanne (Switzerland)

- CHESS is a CubeSat constellation for atmospheric analysis of Earth.
TBD with my abstract

Product Marketing Engineering Intern

Texas Instruments

July 2020 - September 2020

Munich (Germany).

- Department APP BUCK LPDC
explain more: compare portfolios of low power dc/dc converter

Ladybird Guide to Spacecraft Communications 2020

ESA Education Training Centre in ESEC-Galaxia

18th-21st February 2020

Transinne (Belgium).

- Formal interactive lectures provided by an ESA Engineer from the Operations Department of ESOC.
- Designed a communications system for a mission to Europa.

Team member

GranaSAT Electronics Aerospace Group

July 2018 - February 2019

Granada (Spain)

- Mechanical engineering technician: Mechanical design with SOLIDWORKS and Printed Circuits Boards.

DIGITAL SKILLS

| | |
|------------|-----------|
| C | ● ● ● ● ● |
| C++ | ● ● ● ● ● |
| EXCEL | ● ● ● ● ● |
| LATEX | ● ● ● ● ● |
| MATLAB | ● ● ● ● ● |
| Python | ● ● ● ● ● |
| SOLIDWORKS | ● ● ● ● ● |
| VHDL | ● ● ● ● ● |

LANGUAGES

| | |
|---------|----------------------|
| Spanish | Native |
| English | FCE B2 and TOEFL 101 |
| French | Diplôme d'études B2 |

PROJECTS

- Innovation Space Project on Autonomous Walking for VIP
TBD: explain more about SEEK
- Logistic control of silicon wafers in an EUV ASML wafer scanner
explain more about the project
- WSN design for aquaponics greenhouse monitoring application
TBD: abstract

ADDITIONAL INFORMATION

Seminars

Initiation to 3D printers.

Leadership

Empower high school female students toward STEM majors in college through a summer school.

Sports

- Top5 in age-group at Triathlon Nationals 2021
- Represented University of Granada at Triathlon Collegiate Nationals Championships in 2018 and 2019
- Bronze Medal Spanish Snowboard Championship 2015