



SARA BEAUQUIS

PHD STUDENT IN ELECTRONICS



CONTACT INFO



sara.beauquis@gmail.com

[https://www.linkedin.com/i](https://www.linkedin.com/in/sara-beauquis-a8b863206)



n/sara-beauquis-
a8b863206

SKILLS

- French (native language)
- English C1 (TOEIC : 985/990)
- Spanish B2
- Korean A1
- Participation to scientific mediation events
- IT : Python, Matlab, LabVIEW, COMSOL and FACTSAGE
- Office Package
- CAD : basic of Catia V5 and Fusion 360

HOBBIES

- Karate (brown belt), Climbing and hiking
- Literature
- Music (6 years of violin)

EDUCATION

PhD in Electronics

UNIVERSITÉ DE BORDEAUX, 2023 TO TODAY

Engineering degree in Physics and Materials

INSA RENNES, 2020-2023

- Physics of semi-conductors et semi-conductors devices
- Metals and alloys, polymers, ceramics, composites and biomaterials
- Mecanic and shaping of materials, thermodynamics, cristallography and microstructure
- Instrumentation and electronics

WORK EXPERIENCE

Teaching - Basics of electronics

UNIVERSITÉ DE BORDEAUX, 2024 FALL

- Bachelor 1 Science for Engineering
- 24h of class and 6h of practical work

PhD - Fabrication and performance evaluation of terpolymer electroactive actuators for mini-invasive surgery

IMS, PESSAC, OCTOBER 2023 TO TODAY

- Realisation of multilayer actuators with P(VDF-TrFE-CTFE) and characterization of their performaneces
- Optimization of two process: screen-printing and dip-coating

M2 internship - Analysis of the behaviour of silicate melts during gasification of used tires and other ressources

CEA LITEN, GRENOBLE, FEBRUARY-AUGUST 2023

- Thermodynamic simulations with FACTSAGE
- Realization of annealing
- Characterization: XRD, SEM-EDS and SEM BSE

M1 internship - Research assistant

UNIVERSITY OF CALGARY, CANADA, JUNE-SEPTEMBER 2022

- Regeneration and dissolution of cellulose
- Encapsulation of lipids onto modified cellulose
- Synthesis of smart hydrogels derived from cellulose for lipid encapsulation and characterization

Research Master Degree in

Chemistry of Solid and Materials

UNIVERSITÉ RENNES 1, 2022-2023

- Glass and solid NMR
- Nanomaterials

Exchange semester

SOUTH KOREA, 2022 SPRING

- Chemistry of polymers and hydrogels
- Nanobiomaterials