

ZULEMA I. CRUZ | RESUME



- » Status: PhD Researcher, Nanosciences and Nanotechnology
- » Fields: Materials Science, X-Ray Photoelectron Spectroscopy, Semiconductors
- » Software: CasaXPS, Scilab, Python, Inscape, Microsoft Office, \LaTeX
- » Languages: Spanish(Native), English(C1), Portuguese(B2), French(B2), Italian (B1)

EDUCATION

PhD Researcher (NOVA School of Science and Technology, Portugal)	2021 - now
» Nanosciences and Nanotechnology	
» Quantitative X-Ray Photoelectron Spectroscopy of Faceted Oxide Particles	
MSc Studies (Membrane Engineering (EM3E-4SW))	2018 - 2020
» Chemical Engineering: Materials Science: Université de Montpellier, France	
» Chemical Engineering: Physicochemical Processes: Université Paul-Sabatier III, France	
» Membrane Engineering: Modelling Processes and Simulation: U. of Chemistry and Technology, Prague, Czech Republic	
» Membrane Engineering: Biotechnologies, Food and Health: FCT NOVA School of Science and Technology, Lisbon, Portugal	
BSc in Nanotechnology Engineering (ITESO, Mexico)	2013 - 2017
» Engineering, Physics and Materials Science	
Munich University of Applied Sciences (Engineering for Sustainability)	Summer 2017
» Gas Turbines, Sustainable Entrepreneurship	
Universidad Iberoamericana de Puebla (Biochemistry, Sustainability)	Summer 2016

EXPERIENCE

Continental Automotive Corporation (Strategic Planning Analyst for North America)	Apr-July 2018
» Identifying, Analyzing and Monitoring Projects	
PyMPSA (Trainee)	Jan-June 2017
» Project Development in Pharmaceutical Environment	
Continental Automotive Corporation (Consultant)	July-Dec 2017
» Project Manager and Tester of Encrypted Software	

AWARDS

- Erasmus Mundus Full Scholarship
- i3N FCT Full Scholarship

PARTICIPATION IN CONFERENCES

- Materials for Energy Transition, Lisbon 2022
- European School for Young Material Scientists, Dresden 2021 (Online)
- EMRS Fall Meeting, 2021(Online)