



Gabriel Comeron

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EDUCATION

Materials for Energy Storage and Conversion - Erasmus Mundus MSc

Université Paul Sabatier - Warsaw University of Technology - Université de Picardie Jules Verne - Deakin University

09/2017 – 08/2019

Toulouse (FR) - Warsaw (PL) - Amiens (FR) - Melbourne (AU)

BSc. in Physics

Autonomous University of Barcelona (UAB)

09/2012 – 09/2017

Barcelona, Spain

BSc. in Chemistry

Autonomous University of Barcelona (UAB)

09/2012 – 09/2017

Barcelona, Spain

WORK EXPERIENCE

Researcher

Centre of New Technologies (CeNT),
University of Warsaw

10/2019 – Present

Warsaw, Poland

Tasks

- Design and prototyping of novel energy systems for circular economy.

Internship - Institute for Frontier Materials Deakin University, Australian Research Council

02/2019 – 09/2019

Melbourne, Australia

Achievements

- Development, analysis characterization of high power thermogalvanic cells.

Internship- Energy Materials Unit

Okinawa Institute of Science and Technology (OIST)

05/2017 – 09/2017

Okinawa, Japan

Achievements

- Comprehensive study of the degradation process of thin film Perovskite solar cells.

Internship - Organic Photovoltaics Unit

Institute for Photonic Sciences (ICFO)

06/2016 – 05/2017

Barcelona, Spain

Achievements

- Hydrogen storage in graphene by chemisorption as a direct consequence of water splitting. Research published in Carbon in July 2019.

SKILLS

Machine Learning

Leadership, Teamwork

Energy Markets

Data Analytics

Blockchain

Python (Pandas, TensorFlow), SQL, PHP, Mathematica

PERSONAL PROJECTS

Cryptocurrency Trading Bot development (2017 - Present)

- Programming of algorithms and trading bots that automatically trades based on market analysis and technical indicators.

BlockFiles (02/2018 - 08/2018)

- Platform to store academic certificates, degrees and diplomas in the blockchain.

SoleBolt (03/2017 – 08/2017)

- Insole prototype to harvest energy from the human walk.

UAB Physics Students Association (2013 – 2017)

- Founder and president of the Physics Association of the Autonomous University of Barcelona (UAB).

AWARDS AND CERTIFICATES

MSc scholarship (2017/19)

Covering of tuition fees and monthly stipend to undertake postgraduate studies.

Innovation and Entrepreneurship Course (2019)

Sydney Business School.

OIST Research Intern Fellowship (2017)

ICFO Research Fellowship (2016)

LANGUAGES

Spanish	●	●	●	●	●
Catalan	●	●	●	●	●
English	●	●	●	●	●
French	●	●	●	●	○
Polish	●	●	○	○	○

INTERESTS

Entrepreneurship

Circular economy

Blogging

Sustainability

Music production

Data Science