



# Gabriel Comeron

Physicist & Chemist

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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

Industrial Chemistry

Energy & Sustainability

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

Leadership, Teamwork

Data analytics

## 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

Blockchain

Energy markets

Music production