

# SAMUEL ADRIAN CEREZO

## PhD Student

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samuelcerezoo.github.io



in samuel-cerezo

## EXPERIENCE

### PhD Student

#### Universidad de Zaragoza

2021 – Ongoing Zaragoza, Spain

- Publication:** we have recently submitted to ICRA 2024 our work *RGB-D-Inertial Scene Flow for Rigid Scenes*. Here, we introduce a novel formulation for scene flow that integrates RGB-D images and inertial data. Our method offers the flexibility to operate as a multi-frame optimization or to marginalize older data, thus effectively utilizing past measurements.
- My actual work:** focuses on sensors fusion, more specifically between IMU and GPS. By means of different optimization techniques, the aim is to estimate camera states, as well as IMU parameters.

### Waiter

#### Restaurant

2023 Zaragoza, Spain

- Providing table service for lunches and dinners on weekends, in search of a better attention and customer satisfaction.

### Assistant professor of control systems

#### Universidad Nacional del Comahue

2020 – 2021 Argentina

- Topics covered:** modelling systems using Laplace transform, frequency response, state variables, PID controller, feedback of state variables, optimal control.

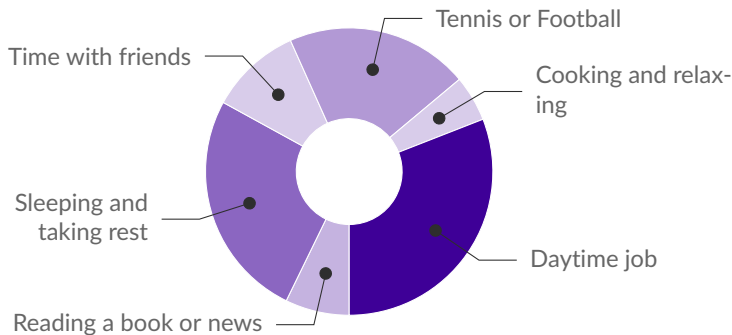
### Telemetry manager

#### Hydroner S.R.L

2020 – 2021 Argentina

- Tasks:** design and implementation of telemetry system for water transfer in oil wells, using IoT and PLC's. Conducting the working group for the installation of the system in the field.

## A DAY OF MY LIFE



## ABOUT ME

" I consider myself a responsible and persevering person. Even in complex situations, I keep calm and propose different ways to overcome the obstacle. At the same time, I always have an open attitude to learn new skills, both technical and soft. I believe that from every situation you can learn something positive "

## MOST PROUD OF



### Extrovert I am

which makes me a sociable person and easy to adapt to new groups



### Persistence

I always try different approaches to complicated tasks.



### Good Results

even in times of stress, I keep my cool

## STRENGTHS

Persistence

Extrovert

Motivator

Proactive

MATLAB

GitHub

Control Systems

Inertial Sensors

Optimization algorithms

## LANGUAGES

Spanish (native)

English (B2+)



## EDUCATION

### Electronic Engineering

#### Universidad Nacional del Comahue

2014 – 2020

- GPA: 8.69 / 10
- The final degree work was published in the Argentinean conference on electronics (CAE 2023).

### Academic Exchange

#### Universidad de Granada

2018 – 2019

## GRANTS AND SCHOLARSHIPS

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### Stimulus to Scientific Vocations Scholarship

#### Consejo Interuniversitario Nacional

📅 2018 – 2019

📍 Argentina

- Amount of the grant: 1000 €.
  - **Purpose:** stimulate new scientific vocations by carrying out a research project during one year.
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### Academic exchange Scholarship

#### Universidad Nacional del Comahue

📅 2018 – 2019

📍 Granada, Spain

- Amount of the grant: 900 €.
  - **Purpose:** studying at a foreign university(Universidad de Granada) during one semester.
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## PUBLICATIONS

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### 👥 Conference Proceedings

- Cerezo, S. A., Córdoba, M. A., & Quintián, F. P. (2023). Compressive sensing mapping system for spatial characterization of photovoltaic devices. In *2023 argentine conference on electronics (cae)* (pp. 1–6).

## REFEREES

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### Prof. Javier Civera (Spain)

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### Prof. Matías Córdoba (Argentina)

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