

SAMUEL ADRIAN CEREZO

PhD Student

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Augsburg, Germany

in samuel-cerezo

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EXPERIENCE

PhD Student

Universidad de Zaragoza

2021 - Ongoing

Zaragoza, Spain

- **My actual work:** focuses on sensors fusion, more specifically between IMU, GPS and camera. By means of different optimization techniques, the aim is to estimate camera states, as well as IMU parameters and environment localization.

PhD Visitor

KUKA

2024-2025

Augsburg, Germany

- Developing algorithms for localisation of a mobile sensorised robot and reconstruction of a 3D environment using ML techniques.

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

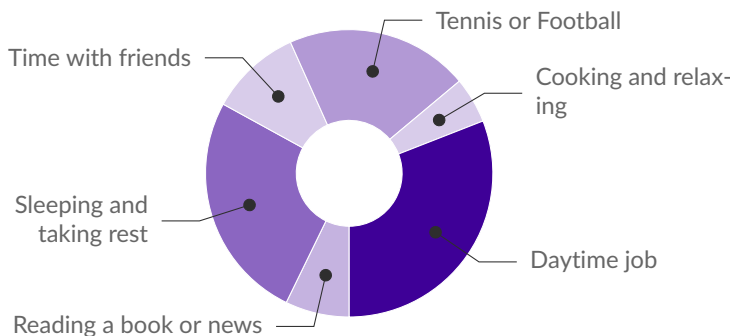
Hydroner S.R.L

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. 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+)



German (A1 on-course)



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

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

👥 Conference Proceedings

- Cerezo, S., & Civera, J. (2024). Camera motion estimation from rgb-d-inertial scene flow. *arXiv preprint arXiv:2404.17251*.
- 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

Prof. Javier Civera (Spain)

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Prof. Matías Córdoba (Argentina)

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