



# Joaquin Armijo

## Computational cosmologist / Data scientist

I am a scientist with strong focus in computational methods. Exploring machine learning applications to deepen our understanding of the world. I am committed to create sophisticated numerical methods for modelling complex physical phenomena, always driven by a passion for understanding the cosmos.



+81 (0)90 7034 5723



jarmijo.torres@gmail.com



37-7 Senjukotobukicho, Adachi, Tokyo 120-0033. Japan

### SKILLS

- Project leading
- Innovative
- Complex problem solver
- Programming
- Advanced statistics
- Science communication

### LANGUAGES

- Spanish – Native
- English – Fluid
- Japanese – N4

### WEBSITE

- <https://jarmijotorres.github.io/Joaquin.Armijo.Torres/>

### HOBBIES

- Sports
- Guitar and singing.
- Storytelling,
- Videogames

### REFERENCES

- Carlton Baugh. ICC director ([c.m.baugh@durham.ac.uk](mailto:c.m.baugh@durham.ac.uk))
- Jia Liu. CD3 Director ([jia.liu@ipmu.jp](mailto:jia.liu@ipmu.jp))

### EXPERIENCE

#### Postdoctoral fellow | October 2025 – Present

The University of Sao Paulo, Institute of Physics, Sao Paulo, Brazil

- Fellow (researcher)

#### Project researcher | October 2022 – September 2025

Kavli IPMU, The University of Tokyo. Tokyo, Japan

- Fellow (researcher)
- Journal club and group meeting leader
- Center for Data-Driven Discovery (CD3)

#### Tharsus company | March – August 2020

- Intern.

#### Additional experiences

Beyond 2point – survey systematics workshop. September 2025. SOC (70 attendees).

IPMU CD3 x Princeton CCA workshop. January 2024. LOC (100 attendees).

STFC summer school on data intensive science October 2021. SOC (150 attendees).

Part of the digital team for the creation of the astronomy media website.

<https://yourplaceuniverse.org>

#### Workshop talks

Participation in more than 30 workshops, presenting different talks and posters.

#### Papers

12 peer reviewed papers with more than 310 citations (h-index: 10).

### EDUCATION

#### PhD in Physics at the Institute for Computational Cosmology (ICC)

October 2018 - September 2022. The University of Durham, UK

#### MSc in Scientific Computing and Data Analysis (MISCADA). Center for Doctoral training (CDT)

October 2019 - September 2020. The University of Durham, UK

#### Master of Science: at the Institute for astronomy

August 2016 – July 2018. Pontificia Universidad Católica, Chile