



## Paul Uriarte Vicandi

📍 Spain

✉️ puriarte@ethz.ch

linkedin.com/in/pauluv/

### EDUCATION

---

September 2022 – present

#### Master of Science in Quantum Engineering

ETH Zürich

- Relevant Coursework
  - Quantum Optics
  - Superconducting Circuits
  - Analog Integrated Circuits
  - VLSI
  - Quantum Information Processing (*In progress*)
  - Quantum Transport at the Nanoscale (*In progress*)
- Semester Project (*In progress*): The effects of the conductive filament shape on resistive switching in valence change memory cells.
  - The project involves simulating VCM devices through various methods including molecular dynamics, kinetic Monte Carlo, DFT, and quantum transport.

September 2018 – December 2021

#### Bachelor of Science in Physics

University of California, Los Angeles

- *Magna Cum Laude*
- Relevant coursework:
  - Quantum Mechanics
  - Electromagnetism
  - Solid-State Physics
  - Computational Physics
  - Computer Science (C++)
  - Python with Applications (Machine Learning)

### RESEARCH EXPERIENCE

---

August 2019 – February 2020

#### Undergraduate Researcher

UCLA Department of Physics & Astronomy, Los Angeles

- Under the supervision of professor Katsushi Arisaka.
- Ariska's research focuses on how the external space is perceived by our brains, as well as developing a physical model to explain the origin of consciousness, language, and intelligence.
- My main responsibility was writing code to perform experiments and analyze data.

### SKILLS

---

- Skills
- Programming languages:
    - C++
    - Python
    - Familiar with HTML/CSS/JavaScript/PHP/SQL
  - Artistic skills
  - Juggling

Languages

- Spanish – Native
- Basque – Native
- English – Fluent (C1)
- French – Basic

**ADDITIONAL** \_\_\_\_\_  
**INFORMATION**

---

Driving license Type B European license

Interests Chess, Art, Reading, Videogames