

# Fernando Leal Sánchez

✉ f@leal.sh | 📞 +34684147813 | 📍 Madrid, Spain | 🌐 f.leal.sh

## Education

### ENS Paris-Saclay

PARISIAN MASTER OF RESEARCH IN COMPUTER SCIENCE

Paris, France

Sep 2024 – Present

### Universidad Complutense de Madrid

BACHELLOR'S IN COMPUTER SCIENCE

GPA: 8,56/10

Madrid, Spain

Sep 2019 – Jun 2024

### Universidad Complutense de Madrid

BACHELLOR'S IN MATHEMATICS

GPA: 8,39/10

Madrid, Spain

Sep 2019 – Jun 2024

### École Polytechnique Fédérale de Lausanne

ERASMUS IN COMPUTER SCIENCE

Lausanne, Switzerland

Sep 2021 – Jun 2022

### Colegio San Agustín

"BACHILLERATO" IN SCIENCES

GPA: 9,53/10

Madrid, Spain

Sep 2017 – Jun 2020

### Ironwood Ridge High School

CULTURAL EXCHANGE

Arizona, USA

Aug 2016 – May 2017

## Experience

### EPI Prosecco

M1 INTERNSHIP

- Proof automation with Aeneas
- Lean specification of SHA3
- Verification of SHA3 Rust implementation

Inria Paris

February 2025 – July 2025

### Bending Spoons

BACKEND SOFTWARE ENGINEER

- Data pipelines
- Infrastructure
- Monitoring
- DevOps

Remote

Nov 2023 – Aug 2024

### Airsync startup

SOFTWARE ENGINEER

- Backend development
- API design

Lausanne, Switzerland

Feb 2022 – Jun 2022

### Organizers CTF Team

PLAYER

- Participated in DEFCON 30 Finals and Insomni'hack CTF's among other competitions

Lausanne, Switzerland

Nov 2021 – Nov 2022

### UCppM

FOUNDER, PRESIDENT

- Introduce newcomers to competitive programming
- Volunteer and organize programming competitions
- Participate in competitions like SWERC and Ada Byron

Madrid, Spain

Sep 2022 – Jun 2024

### 2022 ICPC Europe Training Camp

PARTICIPANT

Wroclaw, Poland

Oct 2022 – Oct 2022

### World Scout Jamboree

INTERNATIONAL SERVICE TEAM VOLUNTEER

- Member of the Wood, Ropes and Spar team

West Virginia, USA

Jul 2019 – Aug 2019

## Skills

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**Programming languages:** Python, C++, Scala, Rust, TypeScript, Lua

**Languages:** Spanish (native), English (native), French (B1), Chinese (YCT3)

**Sports:** Judo (black belt), Taekwondo (green belt), Wrestling, Handball

## Projects

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### University Projects

VARIOUS PROJECTS FROM UNIVERSITY

C++, Python, Java, Scala  
<https://github.com/ayhon/University-Projects>

### Padel power

REACT NATIVE APP DESIGNED TO HELP NEIGHBOUR COMMUNITIES MANAGE THEIR PADEL COURTS. A PROJECT AMONG FRIENDS.

React Native, Firebase

### Verified octagonal constraint solver

COMPUTER SCIENCE BACHELLOR'S THEIS. AN OCTAGONAL CONSTRAINT SOLVER DEVELOPEED AND VERIFIED IN COQ.

Coq  
<https://f.leal.sh/projects/octagonal-constraint-solver/>

## Awards

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Jul 2023 **1st place at Ada Byron**, National competitive programming contest

Ada Byron

Feb 2023 **42nd place at SWERC**, South Wester European Regional Contest. No preparation yet decent results.

ICPC Foundation