

EDUCATION

- **(BSc + MSc) Software Engineering** Buenos Aires, Argentina
Buenos Aires University, Faculty of Engineering Mar. 2017 – Aug. 2022
- **Architecting with Google Compute Engine Specialization**
Google Cloud EDU Dec. 2019 – Feb. 2020
 - Explored and Deployed practical solutions including securely interconnecting networks, customer-supplied encryption keys, security and access management, quotas and billing, systems and applications services and resource monitoring.

EXPERIENCE

- **Software Engineer Intern at Facebook** London, UK
Privacy Product Infra ENG: Unified Policy Framework Aug. 2021 - Nov. 2021
 - **Design and Implementation of Test harness for Policy Expression Language:** Built two platforms (using Hack and Rust), which help customers write verbose test cases and execute them in different languages and platforms.
It was not scalable to maintain custom-written implementations in the face of an ever growing number of privacy commitments and regulations. My project simplified this space by providing tools to make it easier for Facebook to respond to new regulations and reduce the burden on product engineers to be privacy-safe.
- **Thesis: Writing and Verifying smart contracts in Cardano** Buenos Aires, Argentina
Buenos Aires University, Faculty of Engineering Jun. 2021 – Jun. 2022
 - Alongside IOHK Engineers and PhDs, wrote production-ready smart contracts for Cardano. Desirable properties for those contract families were verified using Isabelle/HOL theorem prover.
- **Probability and Statistics Professor** Buenos Aires, Argentina
Buenos Aires University, Faculty of Engineering Jan. 2019 – Present
 - **Practice:** Helping around 80 students per semester to understand Probability and Statistics theory and solve problems in a collaborative environment. I manage consultation hours, collaborated in writing and qualifying problems in tasks and exams.

INDIVIDUAL PROJECTS AND ACTIVITIES

- **International Math Contest:** Silver Medal at 'Olimpiada Matemática de países del Cono Sur' (Best Argentine Performance). Three-time National Champion at Argentinian Mathematics Olympiad.
- **Active Competitive Programmer:** (C++, Python, Java) 2020-2022 ICPC South America/South Finalist (Top-10 LatAm team)

COURSE PROJECTS

- **Centralized Blockchain:** (Python alongside multiprocessing libraries) Design and implementation of a simplified and centralized Blockchain system, using Python and IPCs
- **Youtube clone Mobile App, Web Admin, and servers** : (React, React Native, NodeJs, Python, Firebase, PostgreSQL) App for video uploading, visualization, and social networking. Web admin to monitoring statistics and interactions of users.

PROGRAMMING LANGUAGES EXPERIENCE

- **Python, C, C++, Rust, React, Javascript:** 3 years
- **Go, Ruby, Java, Bash:** 2 years

TECHNOLOGIES AND SKILLS

- Google Cloud Platform, Google Firebase, PostgreSQL, Distributed systems, Blockchain (Cardano)

LANGUAGES

- **Spanish:** Mothertongue
- **English:** Fluent (C1+/C2)