



Contact

Email: leandrosaraco@gmail.com

Phone number: +541165939794

Location: Buenos Aires, Argentina

Date of birth: 09/18/1995

Citizenship: Argentina, Italy (EU)

Skills

- **Languages:**
 - C
 - C++
 - Python
 - Verilog
- **Technologies / Frameworks:**
 - Pandas
 - Scikit-Learn
 - Pytest
 - Airflow
 - Metaflow
 - OpenCV
 - Docker
 - AWS
- **Database:**
 - PostgreSQL
 - MongoDB
- **Other tools:**
 - Postman
 - Jira
- **SVN:**
 - Git
 - Gitlab
 - CI/CD

Language

English: Proficient. TOEIC Certified.

Spanish: Native.

Leandro Saraco

Software Engineer - Artificial Intelligence

Software Engineer with 6+ years of experience developing software for a semiconductor company. Combining my electronic and programming skills to provide high quality EDA (Electronic Design Automation) software that significantly reduce manual efforts during the design of an integrated circuit. I am used to work with teams worldwide, in any timezone.

Linkedin: <https://linkedin.com/in/leandrosaraco>

Github: <https://github.com/lsaraco>

Experience

2022 - Present

Allegro Microsystems

Automation - Mixed Signals Verification Engineer

- Enhanced verification infrastructure by building custom python scripts for regressions.
- Automated testcases using coverage-driven verification with randomization.
- Experience building CNNs and RNNs for automatic signal classification.
- Developed microservices with REST APIs using FastAPI for efficient communication.
- Built software to auto detect anomalies on simulation log files using neural networks..
- Analysis and failure detection of inductive and position sensors for electric vehicles.
- Automatic reports using APIs (for example to Gitlab or Jama).
- Scrum Agile methodology.

- **Tech stacks:** Python, Machine Learning, docker, AWS, CNN, Git, CI/CD, Jira.

2018 - 2022

Allegro Microsystems

Sr. Layout Engineer / Software developer

- Software developer for IC Layout generation and automation during 4+ years, using C, C++ and Python for EDA (Electronic Design Automation).
 - Developer of a software to validate layouts in a batch fashion and run several tests which include DRC (Design Rules), LVS, PERC, ESD and parasitic simulations.
 - Project duration: 2 years.
 - Now used among all layout engineers of the company to verify their designs.
 - Integration of layout development flow with Gitlab (Cadence <-> Gitlab integration).
 - Benchmark and analysis of Cadence and Siemens software used for simulation.
 - Automated QA verification of hardware simulation tools written in Python and C++.
- **Tech stacks:** Python, C, C++, Pytest, Cadence Skill, Lisp.

Education

2024 - Present

Universidad de Buenos Aires (UBA)

MS Artificial Intelligence

- Courses completed: probabilistic, data analysis, machine learning, computer vision, MLOps, deep learning, natural language processing (NLP), and time series analysis.
- Achieved an average score of 9/10 in the first year.

2014 - 2020

Universidad Tecnológica Nacional (UTN FRBA)

BS Electronic Engineering

- Six-year degree (BS + MS equivalent).
- Score: 8.96 / 10