Luís Peres

EECS student & SW Engineering Intern

São Carlos, SP - Brazil
+55 16 99745-3521
luisfvperes@gmail.com
linkedin.com/in/**lfvperes**
github.com/**lfvperes**

WORK EXPERIENCE

SiDi/Samsung, Campinas, Brazil— *SW development intern*

1 year 10 months | Software Engineering; Machine Learning; Embedded Systems

Python | TensorFlow | Java | Android | C/C++ | UNIX

- Global project with **Samsung Korea Headquarters** (Bixby);
- Developed, trained, and tested **Machine Learning** models for Speech Recognition, to be embedded in mobile devices (Python);
- Published an **academic paper** presented at an **international conference**;
- Helped develop internal frameworks and build necessary datasets;
- C Programming for Embedded Systems;
- **Optimization** of Samsung's proprietary code and documentation;
- Contributions through **GitHub Enterprise**.

EXTRACURRICULAR EXPERIENCE (undergrad projects)

USP Codelab, USP São Carlos, Brazil — *Mentor*

6 months | Software Engineering & Front End Web Development

JavaScript | NodeJS | HTML/CSS | Python

Technological development stimulation through SWE and Web Dev.

- Hands-on approach to learn **NodeJS**;
- Mentored the development of a web-scraping project with **Python**;
- Instructed new students in developing a web app and using APIs.

IEEE Student Branch, USP São Carlos, Brazil — *PM*

2 years | Software Engineering; Artificial Intelligence; Image Processing

Python | TensorFlow | HTML/CSS | JavaScript | ReactJS

Project Manager: Digital Image Processing with **Artificial Intelligence**

- Defined project goals, assignments, and deadlines;
- Proposed study sessions about **Neural Networks** and **TensorFlow**;
  - Helped new members learn **Python** and **ML**;
- Coordinated the disclosure of the project to freshmen students and children with an interactive approach;

Project Member: Web Development

- Contributed to creating a website for the group using **ReactJS**;
- Taught other members the basics of **Web Development**.

EDUCATION

B.Sc. Computer Engineering

University of São Paulo (USP)

(est.) Dec 2024 | GPA 7.9/10.0

São Carlos, Brazil

SKILLS

RECENT FOCUS:

Python 3

C/C++

TensorFlow

GIT

PRIOR KNOWLEDGE:

JavaScript (ES6)

HTML5/CSS3

NodeJS

LANGUAGES   PROF. LEVEL

Language	Level
Portuguese	NATIVE
English	C2
Spanish	B1
German	A1

OTHER INTERESTS

Data Science

Quantum Computing

Hardware Engineering

AI & ML

Computer Vision

'Jaguars Daily' Twitter Bot, Personal project

5 months | Software Engineering; Web Scraping; Cloud Computing; Culture

NodeJS | Twitter API | Azure Cloud | Heroku | GIT | Culture

A Twitter Bot that finds, stores and posts jaguar pictures;

- **API handling** with **NodeJS**;
  - **Web scraping** with Bing Image Search API;
  - Storage management with Azure **Cloud Storage** API;
  - Image processing with Microsoft **Computer Vision** API;
  - Deployment with Heroku.
- Hands-on learning about **version control** and **project management**;
- **Cultural motivation**: Incite interest in local fauna and biodiversity;

ACADEMIC RESEARCH

CNPq PIBIT Grant, São Carlos, Brazil — *Undergrad. Researcher*

1 year 6 months | Telecommunications and 5G technologies

MATLAB | Wireless Communications | Cognitive Radio | Monte Carlo Method

Studying and investigating strategies and approaches for 5G technologies;

- Conducted while attending the Federal University of São Carlos as an Electrical Engineering major;
- First relevant academic contact with programming;
- Published an **academic paper** at JCIS 33rd ed. 2017;
- Presented at XXXV SBrT, 2017.

VOLUNTEERING

Projeto Pontinha, São Carlos, Brazil — *English Teacher*

5 months | Education; Diversity

Teaching children through activities and motivation outside the school system's strict conventional methods.

- Taught English at a public middle school in São Carlos for one semester.

Rotaract, São Carlos, Brazil — *Volunteer*

8 months | Philanthropy

Community services, leadership development, and social well-being improvement.

- Actively participated in community events and resource donation initiatives.

CPCEx, São Carlos, Brazil — *Mathematics Teacher*

5 months | Education; Diversity

A community pre-college prep course to help public school students improve their chances of attending the most competitive universities in Brazil.

- Taught Mathematics for one semester.

Circuit Sandbox

A Simulator developed at MIT for the EdX platform, written entirely in JavaScript.

Automated translation from EN-US to PT-BR using JavaScript file manipulation.

EVENTS

IEEE UEL Hackathon (3rd place)	'22
CERN Hackathon	'21
B2W Contest	'20