

Nelson Luiz Serpa de Oliveira

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EDUCATION

Universidade de São Paulo (USP)

Computer Information Systems

- Evening course, 40h/Week availability

São Carlos, SP - Brasil

Feb 2019 – Dez 2023

EXPERIÊNCIA

Backend Intern - AMDOCS

World leading Software provider for Telecoms

- Implemented Bash, Pro*C and SQL scripts for OI-CLARO clients database migration.
- Maintained and tested Java Web applications (Oracle Weblogic stack: EJBs, JSPs; Junit).
- Recurrent meetings in English with foreigners.

São Carlos, SP - Brasil

Nov 2021 – Current

Data Mining Intern - Sigalei

Political monitoring services company

- Responsible for building reliable Web Crawlers using Python (Scrapy, BeautifulSoup).
- Consumed Twitter API: modeled, standardized and stored tweets data.
- Implemented an internal API for serving consumed tweets data (Flask API).
- Test Driven Development approach (pytest); Use of good Git/Clean Code Practices; Contact with CI/CD.

São Carlos, SP - Brasil

March 2020 – Feb 2021

Vice President - USPCoDeLab (currently Advisor)

University extension group

- Responsible for managing a 40 members team that promotes Hackathons, coding projects and courses to diffuse new technologies in University
- Hackathons received sponsor from companies such as Google and Facebook; over 300 participants
- Web Development courses had over 200 participants.

São Carlos, SP - Brasil

Jan 2020 – Current

Volunteer Teaching Assistant - PET Codifique

Introductory Programming course for High Schoolers

- Responsible for preparing classes and helping students.

São Paulo, SP - Brasil

Feb 2019 – June 2020

Volunteer Teaching Assistant - Smartphones course for Elders

Digital Inclusion Course that helps elder people using a smartphone

- Responsible for helping students using Apps and giving security advices.

São Carlos, SP - Brasil

Feb 2019 – June 2019

PROJECTS

Certificate Generator

github.com/USPCoDeLabSanca/Node-Batch-Certificate-Generator

- Node.js batch script that parses a .csv file and generates .pdf certificates for each line/person.
- Mentor of the project, responsible for idealizing, writing requirements, splitting requirements in features divided across team and coding.
- Used in real life recurrently for generating USPCoDeLab courses, hackathons and other events certificates.

Frontend-API-Mysql POC

github.com/nluizsoliveira/API-middleware-dbConnector-POC

- Frontend/Backend website, implemented through an API/ middleware/ dbConnector pattern for a simple library system.
- Backend API implemented in Python's Flask manipulates and retrieve data from a MySQL database.
- Frontend implemented in pure HTML, CSS and Javascript allows creating, searching for and deleting books.

SKILLS

General Programming: C, Java, Python, Bash, SQL

Data Mining: Extract static and dynamic Webpages. Scrapy, BeautifulSoup, Selenium. Consume APIs. Model and transform data. Schedule and deploy scripts.

Web Development: Javascript, HTML, CSS, Node, Java. Building responsive Websites. Implementing an API.

Languages: Proficient English (Toefl ITP C1 Certificate). Native Portuguese.