Artur M. R. Santos

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EXPERIENCES

AMAZON | Data Scientist II | Python, Sagemaker, Bedrock, SQL, Pandas | Jan 2022 – Current
Experience with **Sagemaker** (Studio, Pipelines, Jobs) to develop models, applications and ML pipelines (training and inference), with **Python** (Scikit, Pandas). Now, I'm working with **LLMs** (GenAI) and agentic AI (with Bedrock, CrewAI and other tools), scoping and developing multiple projects - from classification to Product matching - across our Org with different stakeholders.

AMAZON | Software Development Engineer | Java, AWS, Typescript, Linux, SQL, Pandas | Dec 2021 – Jan 2022
Worked with **AWS**, designing scalable and reliable distributed systems. Developed with **Java** and **Python** using CI/CD workflows. Extensive use and architecting with AWS **Lambda**, **Dynamo DB**, **Cloudformation**, **AWS SDK** and **CDK**. Experience on MLOps on AWS (Sagemaker, Athena, Glue).

AMAZON | Software Development Engineer Intern | Python, AWS, CDK, PySpark | Jan 2021 – Dec 2021
ETL end-to-end data pipeline, event-driven architecture with Python, **AWS** stack, processing and visuals on **Amazon Quicksight**. Focused on **data engineering**. Took AWS **DevOps**, **Developer** and **Architecting** trainings.

COBLI | Software Engineer Intern | Scala, Flink, Kafka, Git, AWS | Jul 2019 – Dec 2019
Software Engineer at **Big Data** team, focusing on data engineering (data pipelines and streaming). Post about my *experience*. Developed streaming systems with Flink, Kafka, and others (Cassandra, Spark).

ITAÚ | Software Engineer Intern (Summer Job) | Flask, MongoDB, Linux | Jul 2018
Software Engineer at the Security and Capitalization, modelling an **API** using **Flask** (Python). E2E system (front and backend).

EDUCATION

UNIVERSITY OF SÃO PAULO (USP), 2017-2021
Bachelor in Computer Science, **Emphasis in Artificial Intelligence, IME-USP**. Capstone project: **Offline RL**.

UNIVERSITY OF SÃO PAULO (USP), MID 2024-MID 2026
Masters in Computer Science, **Face recognition with Transformer models, IME-USP**.

STUDENT ORGANIZATIONS

BEEDATA | Competitive data science, Co-founder | pandas, sklearn, pytorch | Set 2020 – Dec 2021
Data Science competitive study group. Our Youtube channel with the content we produced (in portuguese). Semifinalists at Einstein Hospital Datacare competition (2020); Bronze at UFMG vs USP competition (2020)

TECS | Computer science for social good, Co-founder | Set 2017 – Dec 2021
Most notable projects: **Digital Inclusion** and **Fundação Casa**. Member of **TechShift Alliance**. Attended at **Techshift Global Alliance Summit**, University of Chicago, 2017. TA of **Law and Free and Open Source Software**, 2020.

IMESEC | Infosec and cybersecurity, Co-founder | Linux, Bash | Jan 2017 – Dec 2017
Attended to CTFs, studied attack and defense vectors for computer systems.

AWARDS & CERTIFICATIONS

PROGRAMMING
2021, AWS Certified Cloud Practitioner ● 2021, 2018, Computer Science Department award, IME-USP ● 2020, Semifinalists of Einstein Hospital Datacare competition; Bronze in UFMG vs USP competition (2020) ● 2015, 2° place in Young Broker Challenge.

SKILLS

PROGRAMMING
Python ● Java ● Scala ● SQL ● Bash ● Typescript

TECHNOLOGIES
AWS, Linux, Pandas ● boto3, AWS CDK, Matplotlib ● PySpark, PostgreSQL ● Git, Seaborn, scikit learn ● Apache Flink, Kafka

LANGUAGES
Fluent & Native English ● Portuguese | **Intermediate** Chinese ● Spanish | **Basic** French

EXTRACURRICULAR

INSTITUTIONAL
Student representative, DCC-IME-USP, 2019 ● Class representative, DCC-IME-USP, 2021
VOLUNTEERING
Online Professions Fair, USP, 2020 ● Professions Fair, USP, 2019 ● Professions Fair, FEA-USP, 2017
ACTIVITIES
HackathonUSP, USP, 2017 ● Basketball Team, IME-USP, 2017 ● FAAP and SIMED Forum (UN simulation), High School, 2015
EXTRA COURSES
Intro to Tensorflow, deeplearning.ai, 2020 ● Mathematics for Machine Learning: Linear Algebra, Imperial College, 2020 ● Foundations of Reinforcement Learning, University of Alberta, 2020