Artur M. R. Santos

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EXPERIENCES

AMAZON | Software Development Engineer
Java, AWS, Typescript, Linux, SQL, Pandas | Dec 2021 – Current
- Working with **AWS**, designing scalable and reliable distributed systems.
- Developing code with **Java** and **Python** using CI/CD workflows for our backend systems.
- Extensive use and architecting with AWS **Lambda**, **Dynamo DB**, **Cloudformation**, **AWS SDK** and **CDK**.

AMAZON | Software Development Engineer Intern
Python, AWS, CDK, PySpark | Jan 2021 – Dec 2021
- **ETL** end-to-end data pipeline, event-driven architecture using Python, **AWS** stack, processing and visuals on **Amazon Quicksight**. Worked focusing on a **data engineering project**.
- 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 (databases, 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 community, modelling an **API** using **Flask** (Python).
- End-to-end system with integrated front and backend.

PERSONAL PROJECTS

CODE ON GITHUB | Side projects developed
- **datascience repo** My data science and ML adventures.
- **Tuts Blog**: Blog built with *pelican*, using **Python** and **Travis CI**.
- **RL-QLearning**: Reinforcement Learning algorithms on Gym (from OpenAI) environments, using Python.

STUDENT ORGANIZATIONS

BEEDATA | Competitive data science, Co-founder
pandas, sklearn, Tensorflow, torch, Matplotlib | Set 2020 – Dec 2021
- Our Youtube channel with the content we produced (in portuguese).
- Semifinalists of 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**. Participated 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
- Participated in competitions, such as Pwn2Win - *Capture The Flag*. Studied attack and defense vectors for computer systems.

AWARDS & CERTIFICATIONS

2021	AWS Certified Cloud Practitioner
2021, 2018	Computer Science Department award, IME-USP
2015	Young Broker Challenge: 2° place in a stock market simulation competition.

EDUCATION

UNIVERSITY OF SÃO PAULO (USP), 2017-2021
Bachelor in Computer Science, emphasis in Artificial Intelligence, IME-USP
Capstone project: Offline Reinforcement learning.

SKILLS

PROGRAMMING
Python • Java • Scala
SQL • Bash • Typescript

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

LANGUAGES
Fluent & Native English • Portuguese
Intermediate Chinese
Basic French • Spanish

EXTRACURRICULAR

INSTITUTIONAL
- Student representative, DCC-IME-USP, 2019
- Class representative, DCC-IME-USP, 2017-2021

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

COURSERA
- Intro to Tensorflow, deeplearning.ai, 2020
- Mathematics for Machine Learning: Linear Algebra, Imperial College, 2020
- Foundations of Reinforcement Learning, University of Alberta, 2020