

# Artur M. R. Santos

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## EXPERIENCES

**AMAZON** | DATA SCIENTIST | PYTHON, SAGEMAKER, SQL, PANDAS | JAN 2022 – CURRENT

End-to-end data science workflow, from project refinement to deployment. Working with **Sagemaker** (Studio, Pipelines, Jobs), elaborating models and ML pipelines (training and inference). Development mostly done with **Python** using Scikit, Pandas, Numpy. Also focus on MLOps AWS infrastructure.

**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**.

**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 | JUL 2019 – DEC 2019

Software Engineer at **Big Data** team, focused 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 community, modeled an **API** using **Flask** (Python). End-to-end system with integrated front and backend.

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## EDUCATION

Bachelor in **Computer Science**, Emphasis in **Artificial Intelligence**, IME-USP (**University of São Paulo**), 2017-2021.

Capstone project in **Offline Reinforcement Learning**.

In progress with Masters degree on IME-USP (**University of São Paulo**).

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## STUDENT ORGANIZATIONS

**BEE DATA** | 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). We attended to several competitions besides teaching Data Science to other students.

**TECS** | COMPUTER SCIENCE FOR SOCIAL GOOD, CO-FOUNDER | SET 2017 – DEC 2021

Most notable projects were **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.

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## AWARDS & CERTIFICATIONS

AWS Certified Cloud Practitioner (2021) • Computer Science Department award, IME-USP (2021, 2018) • Semifinalist of Einstein Hospital Datacare competition, BeeData (2020) • Bronze at UFMG vs USP competition, BeeData (2020) • Young Broker Challenge: 2º in stock market simulation competition (2015)

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## SKILLS

**PROGRAMMING** Python • SQL • Java • Scala • Bash • Typescript

**TECHNOLOGIES** AWS • Linux • Pandas • Numpy boto3 • AWS CDK • SageMaker • Matplotlib PySpark • PostgreSQL • Git • Seaborn • sklearn Apache Flink • Kafka

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

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## 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 Forums (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