

# Artur M. R. Santos

artur.maga17@gmail.com | +55 11-991379683 | Github: @tutss | LinkedIn: arturmrsantos

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## EXPERIENCES

### AMAZON | Data Scientist II | Python, Sagemaker, Bedrock, SQL, Pandas | Jan 2022 – Current

I worked with **Sagemaker** (Studio, Pipelines, Jobs), elaborating models and ML pipelines (training and inference). Developed applications with **Python** using Scikit and Pandas and focused on MLOps AWS infrastructure. Now, I'm working with **LLMs**, scoping and developing multiple projects 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**.

### 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).

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## 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, Transformer models and tokenizers, IME-USP.**

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## 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.

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## 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, 2º place in Young Broker Challenge.

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## 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

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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

Hackathon USP, 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