

Artur M. R. Santos

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EXPERIENCES

COBLI | SOFTWARE ENGINEER INTERN

Jul 2019 – Dec 2019

- Software Engineer at the **Big Data** team, worked with data engineering, dealing with databases (Cassandra), data *pipelines* and streaming. Post about my experience (in portuguese).
- Used **Apache Flink and Kafka**, some tools from **AWS** (S3, ECS, Cloudwatch, Cloudformation) and agile methods, such as scrum. **Scala** was the main language.

ITAÚ | SOFTWARE ENGINEER INTERN (SUMMER JOB)

Jul 2018

- Software Engineer at the Security and Capitalization community, modelling an **API**.
- Worked on *Plug 'n Play* project, using Python (**Flask**).

PROJECTS

CODE ON GITHUB | SIDE PROJECTS DEVELOPED

- **Tuts Blog**: Blog built with *pelican* package, using **Python**, where I publish interesting things. Used **Travis CI** to deploy new versions.
- **RL-QLearning**: Application of *Q-learning* (Reinforcement Learning) on Gym (from OpenAI) environments, using Python.
- **Competitive Programming**: Solving many problems in competitive programming platforms, using **C++**.
- **DCGAN**: Application of DCGAN, used to build images of clothes. Used **Tensorflow** and **Keras** with Python.
- **Keras API**: Application of a API, built using ResNet model, to classify images. Used (**Flask**) and Keras with Python.
- **TutsVids**: Application using **React.js**, a video platform based on Netflix. Developed along Imersão React (React Imersion week).

STUDENT ORGANIZATIONS

TECS | CO-FOUNDER

Set 2017 – Present

- The group is focused on computer science for social good.
- Member of **TechShift Alliance**, global alliance of young leaders focused in proposing techlogies that generate positive impacts on society.
- Participated in many projects, been the most notable ones **Digital Inclusion** and **Fundação Casa**.
- Participated at **Techshift Global Alliance Summit**, University of Chicago, 2017, as Tecs representative.
- TA of **Law and Free and Open Source Software**, course held by the group, 2020.

IMESEC | CO-FOUNDER

Jan 2017 – Dec 2017

- The group is focused in studying **cybersecurity**.
- Participated in competitions, such as Pwn2Win - *Capture The Flag*.

AWARDS

- 2018 PIPA Award: Computer Science Department award, IME-USP
- 2015 Young Broker Challenge: 2º place in a stock market simulation competition.

EDUCATION

UNIVERSITY OF SÃO PAULO

Bachelor in Computer Science, emphasis in Artificial Intelligence and Data Science, IME-USP

Expected: Dec 2021

SKILLS

PROGRAMMING

Python • C++ • Scala
Java • Bash • SQL

TECHNOLOGIES

Git • AWS • Linux • Scikit-learn
Apache Flink • Matplotlib/Seaborn
Cassandra • Kafka • Neo4J • MongoDB
PostgreSQL • Redis • Keras • Tensorflow

LANGUAGES

Native Portuguese • Fluent English • Basic Chinese • Basic Spanish

EXTRACURRICULAR

INSTITUTIONAL

- Student representative, DCC-IME-USP, 2019
- Class representative, DCC-IME-USP, 2017-Present

VOLUNTEERING

- Professions Fair, USP, 2019
- Professions Fair, FEA-USP, 2017

ACTIVITIES

- Semifinalist, Datacare Competition, A. Einstein Hospital, 2020
- HackathonUSP, USP, 2017
- Basketball Team, IME-USP, 2017
- FAAP Forum (UN simulation), Montessori School, 2015
- SIMED Forum (UN simulation), Montessori 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