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++**, on Codeforces and Spoj.
- **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.

STUDENT ORGANIZATIONS

BEEDATA | CO-FOUNDER
Set 2020 – Present
- The group is focused on competitive data science.
- Semifinalists of Einstein Hospital Datacare competition, 2020.
- Currently participating in Riiid, USP vs UFMG and Meli 2020 competitions.

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).
- 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**, 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: 2° 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 • Pandas
Apache Flink • Matplotlib/Seaborn
Cassandra • Kafka • Neo4J • MongoDB
PostgreSQL • Redis • Keras • Tensorflow

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

EXTRACURRICULAR

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

VOLUNTEERING
- Online Professions Fair, USP, 2020
- 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