Anderson Andrei da Silva *Master in Computer Science*

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I'm a PhD Candidate at University of Grenoble-Alpes in collaboration with Ryax Technologies. The subject of my thesis is upon serverless runtime for hybrid edge-cloud infrastructures. I have a MSc in Informatics from University of Grenoble-Alpes, which was focused on the Scheduling of Jobs in Cloud/Edge Platforms. My undergraduate degree was at the University of São Paulo. I have been working and teaching in the Industry and also I have been working on the research topics: **Serverless**, **Cloud and Edge Computing, Smart Cities, Data Science, Computer Networks, Parallel and Distributed Computing**.

PROFESSIONAL EXPERIENCES

SOFTWARE ENGINEERING
*RYAX TECHNOLOGIES, FRANCE, **Period:** 2020 - today.*

SOFTWARE ENGINEERING CONSULTOR
ITM CHANNEL MARKETING, SÃO PAULO - SP
Period: January, 2020 - December, 2020

TEACHER OF PROGRAMMING TOPICS
ITM CHANNEL MARKETING, SÃO PAULO - Brazil
Period: September, 2019 - Novembro, 2020

TEACHER ASSISTANT
UNIVERSITY GRENOBLE ALPES
Parallel and Distributed Systems, Master 1, 2022
Technical Writing and Speaking, Master 1, 2022
Introduction to Computer Science in C, 2022
Database and Applications, 2022
Design and Operation of Databases, 2021
Computer Science and Programming (Python), 2021

UNIVERSITY OF SÃO PAULO, SÃO PAULO
Concurrent and Parallel Programming, 2020
Introduction to C.Science to Mathematical Sciences, 2019.
Programming Topics, 2018.

ETEC DE FRANCISCO MORATO, SÃO PAULO
Mathematics, 2015

RESEARCHER, INTERN
LABORATOIRE D'INFORMATIQUE DE GRENOBLE, FRANCE
Period: February, 2019 - Jun, 2019.
Advisor: Prof. Denis Trystram.

NETWORK ADMINISTRATOR
UNIVERSITY OF SÃO PAULO, SÃO PAULO
Period: April, 2017 - July, 2018

COMPUTER MAINTENANCE INTERN
UNIVERSITY OF SÃO PAULO, SÃO PAULO
Period: April, 2015 - April, 2017

SKILLS

GENERAL: Design of experiments, Statistical Analysis
SOFTWARE ENGINEERING: Kubernetes, OpenWhisk, R, C, Python, OMP, Julia, Bash, Django, SQL, Neo4j, Mong.DB
TOOLS AND INFRASTRUCTURE: GNU/Linux, Git, Automated Testing, LaTeX, Emacs

LANGUAGES

PORTUGUESE: Native **ENGLISH:** Fluent **FRENCH:** Advanced

EDUCATION

PhD CANDIDATE IN COMPUTER SCIENCE
UNIVERSITÉ GRENOBLE ALPES, GRENOBLE - FRANCE
RYAX TECHNOLOGIES, GRENOBLE - FRANCE
Period: January, 2020 - today. **Advisor:** Professor Denis Trystram and Gregory Mounier, Dr. Yiannis Georgiou, Dr. Michael Mercier.

MASTER DEGREE
UNIVERSITÉ GRENOBLE ALPES, GRENOBLE - FRANCE
Period: September, 2018 - June, 2019. **Program:** Master of Science in Informatics, MOSIG - M2. **Specialization:** Parallel, Distributed and Embedded Systems. **Master thesis:** Job Allocation Policies in an Edge Platform. **Advisor:** Professor Denis Trystram

UNDERGRADUATE DEGREE
UNIVERSITY OF SÃO PAULO, SÃO PAULO - BRAZIL
Period: January, 2017 - July, 2020. **Program:** Bachelor in Computer Science. **Advisor:** Professor Alfredo Goldman

PUBLICATIONS

A. A. Da Silva, *et al.*, *"Towards a Multi-objective Scheduling Policy for Serverless-based Edge-Cloud Continuum,"* CCGRID23, Bangalore, India, 2023.

A. A. Da Silva, *et al.*, *"Short-Term Ambient Temperature Forecasting for Smart Heaters,"* ISCC, Athen, Greece, 2021.

A. A. Da Silva, *et al*. E*valuating Computation and Data Placements in Edge Infrastructures through a Common* Simulator, (SBAC-PAD), Porto, Portugal, 2020.

Andrei A, et al. *Transmissão de Vídeo em Tempo Real em Redes AD HOC.* (WTG SBRC), C. do Jordão, Brasil, 2018.

COMPLEMENTARY ACTIVITIES

NEW CHALLENGES IN SCHEDULING THEORY, Aussois *Workshop,* 2022 - Organizing Committee.

6th GRD RSD/ASF WINTER SCHOOL ON DISTRIBUTED SYSTEMS & NETWORK, Rhône-Alpes, *Winter school*, 2021

TECH AND RELATIONSHIPS CONFERENCE, Annecy, *Conference*, 2019

EXCHANGE PROGRAM, CHICAGO - UNITED STATES
Language Course. September - October, 2013. **Scholarship:** Etec de Francisco Morato

SÃO PAULO SCHOOL OF ADVANCED SCIENCE ON SMART CITIES, São Paulo *Conference,* July, 2017