ALLAINCLAIR FLAUSINO DOS SANTOS

Software Engineer (32 years old)

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PROFESSIONAL EXPERIENCE

💼 Software Engineer – home office – 1 year

▦ Pinterest (through BairesDev outsourcing)

📅 Aug 2019 – present   ⚲ Maringá, PR, Brazil

We provide monitoring, alerting to improve Advertiser Interface & Growth systems. I have worked and developed:
- Time series dashboards to monitor & alert.
- Monitoring reports for Ads Team.
- Google Chrome extension for internal purpose.

Main technologies: Python/Jupyter/Pandas, JavaScript, Kibana, SQL, OpenTSDB, Phabricator.

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💼 Assistant Professor – 7 months

▦ State University of Maringá

📅 Apr 2019 – Oct 2019   ⚲ Maringá, PR, Brazil

I ministered the following subjects: Algorithms and Data Structures, Database, Multi and Hypermedia Systems, Algorithm Analysis, Graph Theory and Object-Oriented Programming.
Main technologies: Python, C, MySQL and Java.

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💼 Tech Lead & Software Engineer – 4 years

▦ Seebot

📅 Oct 2015 – Sept 2019   ⚲ Maringá, PR, Brazil

We provided a **smart traffic light (STL)** called Agent that can sense the streets using cameras and act (open/close) autonomously. I worked:
- Leading software engineers to develop: STL controllers, traffic simulators for traffic optimization and dashboards;
- Designing hardware and software for traffic light controllers;
- Designing and developing a traffic simulator using **SUMO**.

Main technologies: Python, Linux (Shell Script and Systemd), R and Git.

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💼 Data Scientist – home office – 10 months

▦ Earlysec

📅 June 2018 – Mar 2019   ⚲ Maringá, PR, Brazil

We used Natural Language Processing techniques to filter, train, classify and cluster social media messages.
Main technologies: Python (Sklearn), Java, Git, Elasticsearch, Kakfa, Spark and Linux.

INTEREST AREAS

`Algorithms` `Optimization` `Stats`
`Graph Theory` `Monitoring & Alerting`
`R & D` `Data Science` `Testing`

EDUCATION

🏛 State University of Maringá

🎓 **Master's degree in Computer Science**

📅 2014–2016   ⚲ Maringá, PR, Brazil

Thesis: Algorithms based on Variable Neighborhood Search (VNS) meta-heuristic applied in the Bus Driver Schedule Problem.

🎓 **Bachelor's degree in Computer Science**

📅 2010 – 2013   ⚲ Maringá, PR, Brazil

Thesis: A genetic algorithm for the Feedback Arc Set Problem.
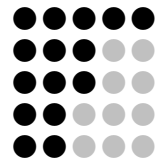
MAIN TECH SKILLS

- `</>` **Python (9 years)** ●●●●●
- `</>` **JavaScript** ●●●○○
- 🐧 **Linux (12 years)** ●●●●○
- ▤ **SQL** ●●●○○
- `</>` **C/C++** ●●○○○

SCIENTIFIC PAPERS

📖 **Journal of Universal Computer Science**

📅 May 2017

Solving a Large Real-world Bus Driver Scheduling Problem with a Multi-assignment based Heuristic Algorithm.

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📖 **(PTBR) XLVIII SBPO - Simpósio Brasileiro de Pesquisa Operacional**

📅 Sept 2016

Algoritmos baseados na meta-heurística VNS aplicados ao Problema de Escalonamento de Motoristas de Ônibus.

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📖 **17th International Conference on Enterprise Information Systems (ICEIS-2015)**

📅 Jan 2015

Combining Heuristic and Utility Function for Fair Train Crew Rostering.