

# ALLAINCLAIR FLAUSINO DOS SANTOS

## Software Engineer (32 years old)

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📍 Maringá, PR, Brazil

## PROFESSIONAL EXPERIENCE

### 📁 Software Engineer – remote – 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, and Phabricator.

### 📁 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.

### 📁 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.

### 📁 Data Scientist – remote – 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, Kafka, 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

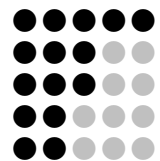
</> Python (9 years)

</> 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.

### 📄 (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.

### 📄 17th International Conference on Enterprise Information Systems (ICEIS-2015)

📅 Jan 2015

Combining Heuristic and Utility Function for Fair Train Crew Rostering.