




# Guilherme Pires

ML+Data Engineer / Developer / Wannabe World-changer

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[https://twitter.com/colobas\\_](https://twitter.com/colobas_)



<https://github.com/colobas>



<https://medium.com/@colobas>

## ABOUT

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I usually say my life goal is to save the World. It might be too ambitious, so I'd already be happy if I could just make it a better place. I plan to do that via my very particular set of skills:

- I have a strong theoretical background, and invest a lot of time in staying updated with the latest advancements in my fields of interest: AI, ML, CS, mainly.
- I have experimented with lots of different technologies and paradigms, mostly due to my curiosity and passion for creating
- I have strong work ethics. Having done competitive sports since I was 10 taught me the importance of discipline, of working hard to achieve your goals and of not giving up.

When I'm not coding, hacking a project together, training a ML model, reading a book, cooking, running, travelling, playing some instrument, or spending time with my friends and family, I'm either sleeping or trying to.

## WORK EXPERIENCE

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### **ML/Data Engineer**, Jungle AI

Jul 2017 - Present

I started at Jungle as a Data Science intern. During my internship I worked mostly on assembling an infrastructure that allows us to do Machine Learning at scale. Mesos, Marathon, Kubernetes, Dask, Airflow, Docker, Zookeeper, are some of the technologies we're leveraging.

### **Data Engineering Intern**, Snowplow Analytics

Jan 2017 - Mar 2017    ⌚ 1 month

I was a remote "wintern" at Snowplow for circa 3 months in 2017. They're a über-cool data analytics company. I helped them extend some of their tech to Google Cloud Platform, and along the way I learned Scala and gained experience with cloud technologies.

- Learned Scala
- Developed an example project leveraging GCP's Dataflow. Blog post here:  
<https://snowplowanalytics.com/blog/2017/03/30/google-cloud-dataflow-example-project-released/>
- Extended key components of Snowplow, enabling them to run on GCP

### **Software Engineering Intern**, Quidgest

Aug 2013 - Oct 2013    ⌚ 2 months

Code review and refactoring on an internal tool / R&D / C, C#, C++, SQL,

## Personal projects

These are some of the projects I've worked on throughout my life

- Dynamic bayesian network constructor (Java)
- SATPLAN system (Python)
- Skeleton for a distributed e-mail system (Go)
- Skeleton for a distributed hashtable (C)
- Parallelization of a MAXSAT solver (C)

## SKILLS

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**Data Science:** Python, scikit-learn, pandas, dask, NumPy, Keras, NLP.

**SW development:** Experience with C, C++, Scala, Java, Go, scraping, bash scripting.

**Web Development:** Basic back-end development in Python (Django, Flask, Bottle), Basic front-end development with CSS, HTML5, JS.

**Machine Learning / AI:** Formal training in Machine Learning, Statistical Learning, Artificial Intelligence and Optimization, Constant studying and keeping up with the developments in the field.

## EDUCATION

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**Electrical and Computer Engineering, Master,** Instituto Superior Técnico

Sep 2012 - Sep 2017

**Electrical and Computer Engineering, ERASMUS / Semester abroad,** Karlsruhe Institut für Technologie

Sep 2015 - Feb 2016

## INTERESTS

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**Track and Field / Music / Travelling / Economics / Politics / Books**

## LANGUAGES

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**English** (Fluent) / **Portuguese** (Native) / **Spanish** (Fluent) / **German** (Beginner)