




Guilherme Pires

Data Scientist / Developer / Wannabe World-changer

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ABOUT

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

Data Scientist, 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

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

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

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

LANGUAGES

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