



Victor Roth Cardoso

Born in Itapeva - Brazil on 20.01.1993

Dual nationality: Brazilian, German

WORK EXPERIENCE

Intern at Big Data Brasil

São Paulo, Brazil — July 2016-November 2016

- Operated machines on the AWS cloud.
- Created ETL tools for the web using Python and SQL.
- In the last 2 months I was the database administrator.

EDUCATION

Computer Engineering, UNICAMP - University of Campinas

Campinas, Brazil — 2011-2016

Some of the modules were: Operating Systems, Algorithms, Data Structures, Distributed Programming, Computer Networks, and Parallel Programming.

Voluntary Undergraduate Research

- Worked from October 2014 to July 2015 under advisory from André Santanchè.
- Created an ETL tool to transform the relational format of FishBase, a global database of fish species, into a graph database, FishGraph.
- Worked in collaboration with a Computer Science Master's student.

Undergraduate Research

- Obtained a scholarship from CNPq - Brazil from August 2015 to July 2016 to continue the research now more closely related to complex networks and knowledge discovery.
- Implemented and tested algorithms for contamination on FishGraph.
- Experimented with complex networks and its generation.
- Experimented with social models and implemented a tool for culture formation and traits passage analysis using Python and Spark.
- Collaborated on *FishGraph: A Network-Driven Data Analysis*.

Voluntary monitoring

- Worked as a volunteer for *Databases: Theory and Practice* on the second semester of 2015. Some of my responsibilities were to assist students at the laboratory lessons and make a follow up of their progress on the module project about recommendation systems.

Residence:

Joinville - SC - Brazil

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LANGUAGES

- Portuguese - native
- English - fluent
- German - basic (A1+ certification from 2007)

PROGRAMMING EXPERIENCE

- C (6 years)
- C++ (1 year)
- Java (1 year)
- Python (3 years)
- Neo4j (1 year)
- SQL (6 months)
- Linux (8 years)
- Git (3 years)


OTHER ACTIVITIES

Reserve at first stage of ACM

International Collegiate

Programming Contest (2015).

I participated on *Introduction to Space Technologies* course of 80 hours at INPE (July 2015).



Hackathon of *Semana da Computação da Unicamp* Winner

- Won the Hackathon of the *Semana da Computação da Unicamp 2015 (Week of Computing of Unicamp)* - pair programming game creation genre.

Final project

- Developed a simple Massive Multiplayer Online Game using Stackless Python, SQL, SSL, and PyGame.

Computer Science, Aberystwyth University

Aberystwyth, Wales — 2013-2014

I took an exchange program to Aberystwyth University in Wales (UK) through the Science without Borders program with a scholarship from CNPq.

Undergraduate Research

- Worked in undergraduate research from June 2014 to August 2014 under advisory from George Gkoutos and Robert Hoehndorf about rules of association in animals phenotypes of model organisms.
- Initially, I worked using Weka to obtain inferences regarding the data, following to the implementation of Apriori algorithm and its modification to use ontology structured information.

Online Courses

Coursera, edX — 2014-2017

Coursera

- Machine Learning by Andrew Ng's (Stanford University). Completed in 2017 with 95.7%.

edX

- LFS101x: Introduction to Linux offered by LinuxFoundationX. Completed in August 2014 with 100%.

Train and competition in road running competitions in Campinas (2015 and 2016).

GITHUB

<http://www.github.com/labrax>

LinkedIn

<https://www.linkedin.com/in/vrothcardoso>

