

Curriculum Vitae

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August 11, 2016

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Introduction



Álvaro Justen is a free/*libre* software user, collaborator and activist since 2004; goes to many conferences as speaker, attendee and organizer as well; gives programming and electronics courses and develops software using mainly the Python programming language. Maker and natively curious, he's always learning about everything, not only on the technology field: organic food growing and hypnosis, for example.

Today he is a digital nomad: travels through Brazil (and other countries) disseminating knowledge through talks and courses (specially about Python, Arduino, free software and open data) while works (remotely) in many projects related to Web development, open data and data analysis and also as an expert at HackHands. Loves coffee, to cook, to travel and to ride a bike.

Contact & Social Media

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Professional Experience

- ◇ **Genero e Número:** works creating software to download, convert and normalize data related to gender inequalities in Brazil — since May 2016.
- ◇ **HackHands:** works as an expert into the platform, helping programmers to solve their problems quickly, in real time — since February 2015.
- ◇ **Onyo:** worked as senior backend developer and systems administrator, using Python, Django, Django REST Framework, fabric, nginx, uwsgi and other cool technologies to serve thousands of mobile users (100% remotely) — from September 2014 to April 2016.
- ◇ **Curso de Arduino:** works as a teacher, giving classes about robotics, combining concepts of electronics and programming, using the Arduino platform and others — since January 2011.
- ◇ **Fundação Getúlio Vargas - Escola de Matemática Aplicada:** worked as principal software developer (Python), systems administrator and was maintainer of the PyPLN project (distributed natural language processing – Portuguese Language) — from November 2011 to September 2014.
- ◇ **Intelie:** worked as Python developer, systems administrator and was responsible for installations, migrations and operations of the company's datacenter monitoring software into some huge customers such as Globo.com and iG — from January 2010 to May 2011.

- ◇ **Peta5**: was co-founder of this startup which was focused on products to the Brazilian digital TV (SBTVD) market; worked as Scrum Master, Python developer (mainly using web2py) and systems administrator — from June 2008 to January 2010.
- ◇ **Meta Consultoria** (junior company – Engineering School, Fluminense Federal University): was selected as trainee and made the whole training course (decided on not joining the company) — 2008.
- ◇ **Freelancer**: worked as Web developer using HTML, CSS, JavaScript, PHP and MySQL — from 2003 to 2008.

Skills

- ◇ Natural Languages:
 - Portuguese: native, fluent.
 - English: good reading, writing and talking.
 - Spanish: good reading, intermediate writing and talking.
- ◇ Programming Languages:
 - Python (10+ years of experience)
 - Bash (10+ years of experience)
 - Erlang & Elixir (learning)
 - Elm (learning)
 - HTML, CSS & JavaScript (level: intermediate-advanced)
 - C/C++, PHP, Ruby & Perl (level: basic)
- ◇ Some tools (software):
 - Git & GitHub, Mercurial – version control, software repository
 - vim – the editor
 - Django, flask & web2py – Python Web frameworks
 - Jira – project management
 - markdown & L^AT_EX – markup languages to create pretty documents
 - SQLite, MySQL, PostgreSQL, MongoDB, Riak – databases
 - nginx, uwsgi, SSH, fabric, docker, AWS – systems administration
 - Debian GNU/Linux
- ◇ Methodologies & Other Skills:
 - Scrum and eXtreme Programming
 - Test-driven development
 - Development and access to REST APIs, Web crawling and parsing
 - GNU/Linux systems administration
 - Screencasts
 - Remote working
 - Conference organizing

Remarkable Achievements

- ◇ PythonQuito Organizer (*Charlas Pythónicas* and *Django Girls*) — Quito, March 2016.
- ◇ Creation and maintenance of rows: a Python library and command-line interface (free/libre software, of course), which helps a lot when dealing with tabular data extraction, normalization and conversion.
- ◇ Remodeling and development of new versions the PyPLN project: distributed natural language processing (free software) – from 2013 to 2014.
- ◇ PythonBrasil[8] Organizer, the biggest Python conference in Latin America (approx. 450 attendees from all over the world, 4 days of duration) — Rio de Janeiro, November 2012.
- ◇ Brazilian reference on Arduino, for a huge number of talks and courses on the topic.
- ◇ Foundation and coordination of the ArduInRio user group — Rio de Janeiro, June 2010.
- ◇ Foundation and coordination of the Coding Dojo de Niterói group — Niterói, October 2009.
- ◇ SeTel (“Telecommunications Week”) Organizer, Fluminense Federal University (approx. 180 attendees) — Niterói, October 2007.

Academic Education

- ◇ Incomplete graduation in Telecommunications Engineering at Fluminense Federal University — from 2005 to 2010.
- ◇ High School: Colégio Ruy Barbosa, Três Rios/RJ.
- ◇ Elementary School: Escola Nossa Senhora de Fátima, Três Rios/RJ.

Academic Highlights – Fluminense Federal University

- ◇ Scholarship on Scientific Research on ReMoTE project (Network Monitoring for Power Transmission Lines), MídiaCom Laboratory — from December 2008 to January 2010.
- ◇ Scholarship on Scientific Reserach on Complex Systems and Statistical Physics Group (many projects), Physics Institute, guided by Professor Thadeu Penna — from April 2007 to November 2008.
- ◇ Volunteer Math Teacher, Pre-College Preparatory Course, Engineering School — from March 2007 to December 2007.
- ◇ Scholarship on Tutorial Education Program on Telecommunications (PET-Tele), acting on tasks related to research, teaching and university extension to enhance the Telecommunications Engineering course, guided by Professor Alexandre de la Vega — from September 2006 to March 2008.
- ◇ Volunteer as beta-tester on the pilot project of University Mesh Networks, MídiaCom Laboratory (GT-Mesh/RNP) — 2006.
- ◇ GNU/Linux systems administrator and Physics experiments guide at Casa da Descoberta (Science Dissemination Center) — July 2005 to September 2006.