Pedro Vanzella
Curriculum vitae

EXPERIENCE

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AUGUST 2015 – PRESENT
Python, C, JavaScript, AngularJS
CWI Software - Renner

Development of an interactive kiosk. A Python middleware bridges the hardware, a Java back-end and C libraries to a Webkit browser. The browser calls the Python classes and exports them to JavaScript, where they are called by an AngularJS front-end.

MAY 2015 – AUGUST 2015
Python, Flask, MongoDB
CWI Software - Terra

Maintanance and development of a Video On Demand system for a large ISP and content provider. Written in Flask with MongoDB.

JANUARY 2015 – MAY 2015
Java, Spring, Hibernate, Postgres
SystemHaus

Maintanance and development of a production chain control application. Large codebase, written over ten years.

JULY 2014 – DECEMBER 2014
Ruby, Rails, MongoDB
Fator7 - StarlightLED

Development of a Cloud control system for a class of Internet of Things devices, including public lights and traffic controllers.

JULY 2013 – DECEMBER 2013
Ruby, Rails, Postgres
TopTal - USEED

Development of a crowdfunding system, in Rails, in a 100% remote and international team.

NOVEMBER 2012 – JULY 2013
Ruby, Rails, Postgres
UFRGS - NetMetric - Vivo

Development of a high availability control and monitoring system for cellphone network probes.

FEBRUARY 2012 – NOVEMBER 2012
Python, Linux
UFRGS - NOC

Development and maintanance of a access control and registration system for a major university.

EDUCATION

2013 – 2016	**Computer Science**
	B.A.
	PUCRS
2009 – 2012	**Computer Engineering**
	B.A.
	UFRGS

PUBLISHED ARTICLES

2016	**Artificial Intelligence Methods Applied to Elevator Dispatching Using a Simulator**
	THESIS
	Artificial Intelligence, Simulation

PERSONAL PROJECTS

2015	**chickencross (github.com/vantas/chickencross)**
	Frogger clone in C++
2014	**dolly (github.com/pedrovanzella/Ball)**
	C++ and OpenGL game engine
2014	**Flask-DODDNS (github.com/pedrovanzella/Flask-DODDNS)**
	Flask app that provides Dynamic DNS to home routers

TECHNICAL SKILLS

PROGRAMMING LANGUAGES	Python, Ruby, JavaScript, C, C++
FRAMEWORKS	Rails, Django, Flask, React
METHODOLOGIES	Scrum, Kanban, XP, TDD, BDD
TOOLS	PostgreSQL, Oracle, Git, MongoDB