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TIAGO FASSONI

PROFESSIONAL EXPERIENCE

[06/2014 – current]   MobiLab
Programmer Jack of All Trades

MobiLab is a laboratory, inside São Paulo City Hall, of technology applied to urban mobility. Inside it, I made a fully responsive and accessible website for public consultations of urban infrastructure, an informate website of the São Paulo bike lanes, a mapathon to put bike lanes on OpenStreetMap, am now working on a bicycle routing app and managing a team working in a smartphone app to fine bad drivers

 [07/2012 – 08/2013]   Itaú Unibanco Bank
BI Analyst

Database administration, automation of data capture, creation of new reports, general refactoring of old codebase.
Thanks to the automated procedures I innovated, the time needed to load new bases decreased from 3 hours to 10 minutes. I also authored a local Wiki for the department.

[10/2011 – 07/2012]   Itaú Unibanco Bank
Model Validation Analyst

Validation of Credit Risk Models for the RAROC Project, part of the Basel II Project, in Itaú Bank.
I worked with LGD, EAD, CEA, validating 18 calculators and gave presentations to the VP of Risk of Itaú.
I also authored a local Wiki to map all the model validations made in the department.

[01/2011 – 09/2012]   Instituto de Tecnologia para o 3o Setor
Programmer and Sysadmin

Development of software in Python and Javascript. Configuration and deployment of servers. Creation of automated testing.
Our team made two new systems in a few months with MootiroForm, a Form Creator tailored for use in NGOs and MootiroVote, a heavily-altered OSQA made to map NGOs' needs in software. I took part in several phases of the project such as development, sysadmin and keynotes to general public and interested developers.

[09/2009 – 12/2010]   FW Soluções Ambientais
Contractor

Revision of mathematics and proofreading in technical reports. Configuration of a Linux Server to work as an intranet server, VPN server and backup solution. Network setup, computer assembly and general support of Windows PCs.

[2007 – 2008]   Ubilibet (Barcelona)
Head of Technical Department

Configuration and deployment of Linux Servers using Apache, dovecot, Bind DNS and custom daemons. Creation and maintenance of custom daemons in Perl. Development of new intranet functionalities in PHP using PostgreSQL as a backend. Tech support of Windows PCs.
One of my achievements has been the improvement of the spam filters, triplicating the amount of captured spam.

[2005]   Stealth Start-Up, Campinas
Head of Development

I joined a university professor in the task of creating custom software in C# for Pocket PCs. The software should aid counting statistics in a soccer game and send it to a database for

analytics processing. The start-up didn't work out because we couldn't get any investors.

EDUCATION

[2009]   Campinas State University, Brazil
Bachelor's Degree in Applied and Computational Mathematics
Graduated as 3rd best student in class. 3 undergraduate research projects and presented in 2 symposiums.

HONOURS AND AWARDS

[2014]   Hackathon of São Paulo Transit Department
2nd place at Hackathon
I, together with two more people, made a website which makes routes avoiding uphills in the city of São Paulo. The website is being used by cyclists all around town.

[2007]   Universitat Politècnica de Catalunya
Scholarship for studying abroad
6-month scholarship given by Santander Bank. There were 50 people competing for only one scholarship, which I won

[2007]   Institute for Applied and Pure Mathematics, Brazil
Poster presentation of Research Project on Value-at-Risk

[2007]   Campinas State University, Brazil
Poster presentation of Research Project on Value-at-Risk

[2007]   National Confederation of Research Support, Brazil
Scholarship for Undergraduate Research Project on Value-at-Risk

[2006]   National Confederation of Research Support, Brazil
Scholarship for Undergraduate Research Project on Value-at-Risk

[2006]   Institute for Applied and Pure Mathematics, Brazil
Poster presentation of Research Project on Graph Theory

[2005]   Foundation for Research Support of the State of São Paulo, Brazil
Scholarship for Undergraduate Research Project on Graph Theory

LANGUAGES

English	Fluent
Spanish	Fluent
Japanese	Intermediate
Catalan	Intermediate
French	Basic

VOLUNTEER WORK

Besides the works cited below, made in a more continuous way, I also did independent work for Wikipedia, Alavanca Project and other organizations.

[2014 – Current]   OpenStreetMap Brazil Foundation
Founding Member

[2012 – Current]   Bike Angel São Paulo
Instructor and bike buddy

[2010 – 2011]   Tashi Gyatso Institute

Head of IT Department

[2009 - 2010   ]   Tashi Gyatso Institute
Portuguese Classes for Foreigners

[2004 - 2005   ]   UNICAMP Student Residence Free Cram School
Mathematics and Physics Teacher