Daniel Marchena Parreira

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AREAS OF INTEREST

Software engineering and algorithms.

FORMAL EDUCATION

University

University of Toronto, Canada   2014 ∼ Present

- Bachelor in Computer Science - *enrolled in fourth year*
- Science Without Boarder Scholarship from National Counsel of Technological and Scientific Development **(CNPq)**

Pontifícia Universidade Católica de Minas Gerais, Brazil 2011 ∼ Present

- Bachelor in Computer Science
- Score average over 80%

WORK EXPERIENCE

(Internship) University of Toronto, Canada

Computer Science Department   **May 2014 ∼ Present**

- Develop and maintain a system using C, Python, R, Javascript, Django and Bootstrap focused on helping students learn the C programming language, and also make possible for professors to promote more dynamic exercises online
- Currently programming an online C debugger in Python and Javascript to enhance students learning experience, and working as a TA on "CSC209 - Software Tools and Systems Programming"course
- The system is called PCRS, and it is being extensively used by students and professors in the CSC209 course

(Employee) Axxiom Soluções Tecnológicas S.A, Brazil

SAP Projects Superintendence   **June 2013 ∼ December 2013**

- Worked at Companhia de Gás de Minas Gerais **(GASMIG)** as an outsourced software engineer
- Company goal was to setup SAP IS-U CCS (Industry Specific Solution for Utilities/Customer Care and Service) system and migrate data from legacy software
- ABAP and C programming for the SAP IS-U CCS printing module. This module is responsibly for generating bills, sending them by email to clients and communicates with NF-e (Brazilian government financial database)
- Development of technical specifications, functional specifications and test plans

(Employee) Indra Company, Brazil

Information Systems Superintendence   **December 2010 ∼ May 2013**

- Worked at Companhia Energética de Minas Gerais **(CEMIG)** as an outsourced programmer
- ABAP and Java programming to enhance SAP IS-U/CCS system
- Participated on SAP IS-U CCS system migration to version EHP6

- Development of technical specifications, functional specifications and test plans

(Internship) Companhia Energética de Minas Gerais (CEMIG), Brazil

Information Systems Superintendence   **June 2010 ~ December 2010**
- ABAP programming to enhance SAP IS-U/CCS system
- Development of technical specifications, functional specifications and test plans

(Internship) Farmácia Prímula de Manipulação, Brazil

Information Technology Department   **April 2008 ~ May 2009**
- Company site maintenance utilizing XHTML, CSS, Javascript (AJAX), JQuery, PHP OO and MySQL

STARTUP
PROJECTS

Moses App, Canada

Moses App   **December 2013 ~ Present**
- Currently developing a cloud based app that helps splitting bills
- Programming the system API using Python, Django-REST framework and Postgres.
- Developing iOS app using Objective-C and UIKit

UDoctor Medical Search Engine, Brazil

UDoctor Medical Search Engine   **May 2012 ~ January 2013**
- Developed a search engine focused on the medical field utilizing Java, Groovy/Grails, Javascript, Bootstrap and MongoDB - Source code available at Github

Fastdezine.inc, Brazil

Business Partner at Fastdezine.inc   **December 2008 ~ January 2012**
(ID: P08000111215)
- Developed together with Ursula .F Aleixo the companies business plan
- Worked with the companies front-end team on page sketching (Photoshop) and coding (XHTML, CSS, Javascript)
- Programmed core system services using PHP OO and MySQL
- System modeling using UML

PERSONAL
PROJECTS

The C Programming Language (2nd Edition), Brazil

The C Programming Language (2nd Edition) exercises **January 2014 ~ Present**
- Programmed solutions for the exercises of The C Programming Language (2nd Edition) book - Source code available at Github

COURSES AND
CERTIFICATIONS

99 Canvas, Brazil   **March 2013 ~ March 2013**
- Creation of Innovative Businesses certification

Scrum Alliance, Brazil   **November 2012 ~ November 2012**
- Scrum Master certification

SAP Education, Brazil   **October 2011 ∼ November 2011**
- TERPE-10 Academy - mySAP ERP (Enterprise Resource Planning) certification

IBM, Brazil   **August 2011 ∼ October 2011**
- Specialization course and job offer from IBM through Pontifícia Universidade Católica de Minas Gerais
- Tivoli Management Framework 6.2 / 5.1.2 course

SENAC-MG, Brazil   **January 2009 ∼ July 2009**
- Certification in personal computer configuration and maintenance

Instituto Online, Brazil   **January 2008 ∼ March 2008**
- Certification in wireless network configuration and maintenance

Web BH, Brazil   **May 2007 ∼ January 2009**
- Webmaster certification covering XHTML, PHP, Javascript, JQuery, CSS, AJAX, MySQL, C#, ASP, SQLServer, Adobe Master Colletion, Corel Draw and UML 1.0

TECHNICAL SKILLS

Programming Languages: C/C++, Objective-C, Java, Groovy, Python, PHP, Javascript, C#, ABAP, R, Haskell, among others

Web Framework: Grails and Django

Databases: IBM DB2, Postgres, MySQL and MongoDB

Systems: SAP IS-U/CCS (Industry Specific Solution for Utilities Industry/Customer Care and Service) and SAP ERP (Enterprise Resource Planning)

Apps: TEX, LATEX, Adobe Master Collection, Microsoft Office, Libre Office, CorelDRAW, Eclipse IDE, Visual Studio IDE, NetBeans IDE, XCode, SharePoint, FileZilla and other softwares for Windows, Mac OS X and Linux

Operating Systems: Microsoft Windows, Mac OS X and Linux (in special Debian, Ubuntu and Fedora distributions)

LANGUAGES

English
- Cambridge First Certificate of English - FCE
- TOEFL iBT certification
- University of Toronto Academic English Level 60 certification

Spanish
- Intermediate level in writing, listening and speaking skills

Portuguese
- Native level in writing, listening and speaking skills