

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**)

Pontificia Universidade Católica de Minas Gerais, Brazil **2011 ~ Present**

- Bachelor in Computer Science
- GPA: 3.70 - 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
(ID: P08000111215)*

December 2008 ~ January 2012

- 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