

# MARCELO CORDEIRO

Software Developer

<https://marcelocordeiro.github.io/>

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## EXPERIENCE

Jun 2015 - Dec 2017

### LTIA - Unesp

Software Developer and  
Team Coordinator  
Bauru, SP, Brazil

May 2014 - Aug 2014

### University of Toronto

Summer Intern  
Toronto, ON, Canada

Jan 2010 - Jul 2010

### Bauru City Hall

Technical Support Intern  
Bauru, SP, Brazil



## ABOUT ME

I'm a software developer with a bachelor degree in Computer Science from São Paulo State University (Unesp).

I am passionate about using innovative technology and data to make a positive impact on society.

During my undergradute years, I studied at the University of Toronto for 16 months as a visiting student, under a full scholarship offered by the Brazilian Government.

Back in Brazil, I joined LTIA, a laboratory of UNESP focused on innovative technology, as a software developer, where I had the opportunity to work on projects for companies such as Motorola Solutions.



## SKILLS

### Programming Languages & Tools

HTML & CSS	<div><div></div></div>
JavaScript	<div><div></div></div>
Git	<div><div></div></div>
SQL	<div><div></div></div>
Bootstrap	<div><div></div></div>
Express	<div><div></div></div>
Spark	<div><div></div></div>
Clojure	<div><div></div></div>
React	<div><div></div></div>
Amazon Web Services	<div><div></div></div>

### Workflow & Principles

Agile Development	<div><div></div></div>
Database Design	<div><div></div></div>
Cross Functional Teams	<div><div></div></div>
Functional Programming	<div><div></div></div>



## EDUCATION

2012 - 2017

### Unesp

#### São Paulo State University

Bachelor of Computer Science  
Bauru, SP, Brazil

2014 - 2015

### University of Toronto

Visiting Undergraduate Student  
Toronto, ON, Canada

2007 - 2009

### CTI - Unesp

#### Industrial Technical College

IT Technician  
Bauru, SP, Brazil

## HOBBIES & INTEREST



Coffee



Travelling



Cinema



Music



Books



Games



## PROJECTS

2017

### **Radio and dispatcher simulator for Mastersite Astro® 25**

*Developed at LTIA for Motorola Solutions, it is a multi-user application that simulates a series of portable and mobile radios and their interactions with the dispatcher software used by Motorola Solutions.*

- Developed using HTML, CSS, JavaScript, Vue.js, and Node.js by a team of 10 people;
- Coordinator of the front-end team.

2016

### **Server and web app for storing and analyzing location data from mobile devices**

*Undergraduate Thesis - Server and web application for storing and viewing location data of devices generated from a series of Wi-Fi or Bluetooth sensors.*

- The server is a cluster of Elastic Compute Cloud servers from Amazon Web Services to store and manage the data using Spark;
- The web application was developed with NodeJS, Express, and Bootstrap.

2016

### **App simulator for Mastersite Astro® 25**

*Developed at LTIA for Motorola Solutions, it is simulator of a suite of 15 applications used for radio management, in addition to a booklet to teach the user how to use the system.*

- Developed using HTML, CSS, JavaScript, Node.js, MongoDB, and C# by a team of 14 people;
- Coordinator of the writing team.

2014

### **Fast Temporal Median Filter for ImageJ**

*Developed for the Milstein Lab at the University of Toronto, it uses a variant of the Huang algorithm to quickly determine the temporal median of each pixel across a number of frames within an image stack, then it creates a new stack with the running median subtracted.*

- Developed using Java.
- Available at <http://www.utm.utoronto.ca/milsteinlab/software/>

2010

### **Flowchart Interpreter**

*Developed as a requirement to complete the course of IT technician, it is a web system for instant assembly and interpretation of flowcharts.*

- Developed with HTML, CSS, JavaScript, PHP, and PostgreSQL by a team of 7 people;
- Responsible for the back-end of the application.

2016

### **Fellowship**

*Web app developed during the 2016 hack.summit() hackathon. It is a tool for project management and organization of development teams using the concept of gamification.*

- Developed using HTML, CSS, Bootstrap, JavaScript, Node.js, and AngularJS by a team of 9 people;
- Responsible for the front-end of the application.



## LANGUAGES

Portuguese - Native

English - Fluent