Lucas Luna Souza

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EDUCATION

University of Toronto St. George Campus September 2015 - April 2019

Honours Bachelor of Science in Computer Science

Relevant Courses: Software Engineering, Theory of Computation, Data Structures and Analysis

WORK EXPERIENCE

Votorantim Cimentos, CBM Aggregates May 2017 - September 2017

Software Developer / Data Analyst Intern

- Developed tools to track plant performance by analyzing sensor data.
- Created a website for plant managers to report plant downtime.
- Automated the process for creating employee bonus pay reports based on plant performance.
- Technologies used: Visual Basic, JavaScript, Microsoft SharePoint, Microsoft Excel

VOLUNTEER AND EXTRA-CURRICULAR ACTIVITIES

University of Toronto Computer Science Student Ambassador 2017 - Present

- Undergraduate representative for the University of Toronto's Department of Computer Science.

Leaside High School Peer Tutor 2014 - 2015

- Taught Grade 11 math to students that were having difficulties with the course.

Co-Founder of the Lancebotics VEX Robotics Team *2013 - 2015*

- 2015 VEX Provincial Championships Finalists and represented Canada in the 2015 VEX World Championships

SKILLS

Programming Languages:	**Proficient**: Java, Python, JavaScript, HTML, CSS
	Familiar: C, C++, Visual Basic, Racket
Software Tools/Frameworks:	Git, Excel, SharePoint, AngularJS, Node.js, JQuery, React, SQL, MongoDB

PROJECTS

Accord

Mobile Application (React Native, Spring Boot)

- Cross platform mobile app that helps groups of people collectively make decisions
- Lead the front-end team (4 members) to create an intuitive user interface for mobile platforms
- Collaborated with the back-end team to implement a tournament style voting system

Project Solaris

Mobile Game (Java, LibGDX)

- Mobile puzzle game where players have to shoot projectiles into orbit
- Developed an algorithm to procedurally generate graphics and levels
- Created a realistic 2D physics simulation for gravitational and centripetal forces

Spectrum Sorter

Desktop Application (C++, SDL, OpenGL)

- A way to visualize sorting algorithms by using a colour spectrum
- Implemented various popular sorting algorithms, which can run side-by-side to compare their runtime

Request Factory

Mobile Application (React Native)

- Mobile REST client for sending HTTP requests made for developers who want to test API's on their phones
- Stores sent requests so they can be easily accessed in the future