LUCAS NOGUEIRA

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WORK EXPERIENCE

Web Developer — AGF.com   Fall 2019 - Present

As an intern at AGF I am responsible for:

- Development of integrated (**CMS/AJAX/J2EE**) applications.

- Creation of **Java Servlets** and Systematic migration of data between front to back end.

- Development of dynamic web pages using **JSPs, HTML, CSS, JavaScript**.

Instructional Support Group — Cheriton School of Computer Science   Winter 2019

- Developed **Bash and Python** scripts in addition to designing test cases to run on the UW testing server (Marmoset), a platform used to automate grading for programming assignments.

- Conducted tutorials, review sessions and office hours to teach contents such as **Data Structures and OOP** in the **C++** dialect for **Software Engineering** students.

- Maintained course **SSH** server and updated the course website throughout the term.

EDUCATION

University of Waterloo, Canada   *Fall 2018 - Present*

Computer Engineering, Honours, Co-operative Program

University of Rio de Janeiro (UFRJ), Brazil   *Winter 2018 - Fall 2018*

Bachelor of Engineering, Electrical.

PROJECTS — *GitHub*

Senses - Hack the North 2019   Fall 2019

Some of the technologies — React Native, Flask, Google Cloud APIs

- Developed a mobile app that lets you take a photo and get an audio response of what the photo represents in the language of your choice.

- Created server and front end side connection to allow transfer of binary data.

- Delivered the working app in within 24 hours together with a new partner.

Planet Jobs   March 2019 - May 2019

Some of the technologies — MySQL, Git, Scikit Learn, React Native

The goal of this group project was to help High School students find a job, since currently it is hard and time consuming. As a result, we've developed an iOS/Android App for this purpose with user registration, shortlist, notification and recommendation system through restful APIs. **JavaScript** was mostly used, for both **backend(Node.js)** and **frontend(React Native)**.

HTML Detective   March 2019 - April 2019

Some of the technologies — React Native, Flask, SQLite3, Expo, Matplotlib

This project is a compilation of all first year projects done by CS student's in my previous university: Created a user based app that scrapes websites and evaluates its content displaying a graphical result of what it's about, enabling to save the output to the database. Users can also email their saves in both PNG and XLS format to their contacts.