

# Lucas Nogueira

Computer Engineering, University Of Waterloo

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## Skills

Languages | Python, JavaScript, C++, Java, HTML, CSS, Bash

Tech | React, React Native, Flask, Express, AWS, Git, SVN, Selenium, MySQL, MongoDB

## Experience

AGF.com | Junior Web Developer

September 2019 - December 2019

- Built scanning service with **Java Sockets** orchestrated to efficiently interact with ICAP servers **leading to secure file uploads** from thousands of users on high-priced transactions.
- Made multiple JSP pages and server endpoints to handle users/staff messaging requests that **impacted over 60 000 people**.
- Implemented **React** into **Java Spring** to migrate off legacy JSPs and jQuery Plugins which **reduced bundle size by approximately 15%**.

University Of Waterloo | CS138 TA

January 2019 - April 2019

- Developed **Bash and Python** scripts for auto-marking assignments that **increased productivity of the team** as well as future employees.
- Developed and maintained course **website** and **SSH server**, thus, affecting enrolled students and staff.
- Conducted tutorials, review sessions and office hours to teach contents such as **Data Structures and OOP** in C/C++ for **Software Engineering** students, succeeding with **over 90%** overall student approval.

## Projects

PsyCare - Organization 🌐 📞

Tech Stack | React, Loopback, MySQL, Flask

- Co-founded initiative that provides UI for mental health patients to perform **reliable therapists search**.
- Leveraged emailing campaign using **Flask micro-services** which **attracted hundreds of certified therapists** to subscribe and beta test our platform.

Senses - Hack the North 2019 📞

Tech Stack | React Native, Flask, Google Cloud Platform

- A mobile app that lets one take photos and get instant audio responses of what the image represent in a chosen language.
- Implemented frontend app and server side connections **allowing transfer of base64 encoded audio/image data to Google functions**.

HTML Detective - Side Project 📞

Tech Stack | React Native, Flask, Python DS Libraries

- Compiled all assigned first year CS projects as a tool to create a mobile app that **accurately guesses what a given website is about** and displays a **graphical result** of the top 5 most relevant topics.
- Utilized popular data science tools (such as **Numpy, Pandas, Matplotlib**) to extract useful information from **scraped website** and **apply ranking algorithm**.
- Created emailing service under **SMTP Protocol** to let users share results allowing several file formats.

## Education

University of Waterloo | Bachelor of Computer Engineering

September 2018 - April 2023

\$2000 President's Scholarship Of Distinction

University of Rio de Janeiro (UFRJ) | Bachelor of Electrical Engineering

February 2018 - August 2018

Placed 6th of all admitted students; Top 5% student - Calculus 1 Award;