

# JESSE MALTESE

Toronto, Ontario

☎ 250-899-2436 ✉ jesse.maltese@mail.utoronto.ca 🏠 jmalt.me 🔄 j-malt

## EDUCATION

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### University of Toronto

2019 - 2023

Honours Bachelor of Science, **Mathematics, Co-op**

Minor in **Computer Science and Philosophy**

Relevant Courses: *Software Tools & Systems Programming*

Teaching Assistant for *MATC09: Introduction to Mathematical Logic*

## SKILLS

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**Languages:** Python, TypeScript and JavaScript, Java, Ruby, C, Bash

**Technologies/Frameworks:** ReactJS, Bootstrap, D3.js, Git, JQuery, Flask, Gatsby, GraphQL, Node.js

## EXPERIENCE

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### Kontrol Energy Corporation

May 2021 - August 2021

Full Stack Developer

- Implemented full redesign of core-product dashboard, working heavily with **D3.js** and **Bootstrap**, allowing customers to get an at-a-glance overview of various relevant statistics.
- Migrated Ruby dashboard to a modern **React** and **TypeScript** front-end, drastically improving loading and development times, as well as simplifying codebase.
- Added documentation to various projects to allow for faster development time.
- Responsible for implementation of the Point Map, an important feature of the core product that allows customers to monitor and manage important machines at their facilities.
- Responsible for full-stack work on maintenance and redesign of large **Java** based website.

## PROJECTS

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### Social Media Issue Tracker

January 2019

- Implemented **natural language processing** to track sentiment towards a company on social media.
- Used a **Flask** and **Python** back-end to communicate with a front-end written in **Javascript** with **React**.
- Leveraged **RESTful APIs** to scrape Twitter for information about the company
- Used various design frameworks such as **Material-UI** and **Bootstrap** to quickly prototype a design

### Success Stories of New Canadians Blog

November 2019

- Designed and built a website to fit specifications laid out by client.
- Used **React** and **Gatsby** to serve a fast static website.
- Utilized **GraphQL** and **Netlify** to allow for easy editing of the website as well as dramatically reducing load times.
- Was responsible for the implementation of a **full-text search** as well as reducing website load times by over **200%**.