

TRISTAN WEDDERBURN

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EXPERIENCE

MongoDB • New York, United States
Incoming Software Engineering Intern

May 2020 - Aug. 2020

Axial Tech • Waterloo, Canada
Software Engineer

Aug. 2019 - Present

- Developed email list management software using **Django** and **Angular**
- Enabled newsletter creation in UI using QuillJS and scheduled delivery using SendGrid, **RabbitMQ** and **Celery**
- Deployed application using **Docker** containers in **Kubernetes** cluster on Google Kubernetes Engine (GKE) on Google Cloud Platform (**GCP**)
- Helped to **monetize client's business** by integrating subscription and billing of customers using Stripe API

Wealthsimple • Toronto, Canada
Software Engineer Co-op

Jan. 2019 - Aug. 2019

- Automated govt. reporting and client RESP activity reports using **Ruby** and **React**
- Optimized the client transfer-out process by working with Transfer Out team to **redesign tool** in Ruby and React
- Improved ticket-cutting for client institutional transfers process by implementing **event-sourcing** pattern and adding logging within micro-services using **Ruby**, Datadog, Rollbar and Zendesk API
- Maintained **on-call** rotations to support internal tooling for Wealthsimple's Client Success team

SKILLS

Languages Python, Ruby, Java, JavaScript, C, MATLAB, HTML/CSS

Technologies Ruby on Rails, Node.js, PostgreSQL, React, Redux, Docker, GraphQL, Git, Jira

Coursework Data Structures & Algorithms, Operating Systems, Software Development, Linear Optimization, Statistics

PROJECT WORK

Skill Swap

bit.ly/2WtdgQo

- Developed web app that **connects users** seeking to swap knowledge of new skills at YHack '19
- Built frontend with **React** and React Bootstrap, using **Firebase** for user authentication
- Integrated application with Google Cloud **Firestore** NoSQL database and deployed on App Engine

Budg.it

- Developed web app that **visualizes financial data** provided by a user's online banking information
- Built UI using **React** and D3.js and implemented user authentication using Plaid API
- Developed backend using **Django** and **PostgreSQL**

Smart-Brain

bit.ly/2NmHFfg

- Developed web app that **auto-detects faces** in photographs
- Programmed UI components using **React** and implemented Clarifai **Computer Vision** API for facial recognition
- Built backend server using **Node.js** and stored user information in **PostgreSQL** database; deployed on Heroku

EDUCATION

McMaster University

Expected Graduation 2021

Bachelor of Engineering, B.Eng, Computer Engineering (CO-OP)

EXTRACURRICULARS

McMaster Energy Association

VP of Marketing & Conference Organizer

- Organized inaugural & 2nd annual McMaster Energy Conference with 120+ students from universities across Ontario and 40+ professionals as well as case competition with 100+ competitors