

Ross Hill

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EDUCATION

Queen's University
Honours Bachelor of Computing in Software Design (B.Comp.H.)

Kingston, ON
April 2020

WORK EXPERIENCE

Intern – Verafin

May 2019– August 2019

Backbone.js • Java • PostgreSQL

- ◆ I made multiple upgrades and bug fixes to the user interface that were requested by Verafin clients.
- ◆ I created a Verafin plugin that identifies high risk customers based on transaction and biographical characteristics.

Full-Stack Intern – Nudge.ai

May 2018– August 2018

React.js • Redux • .NET • ASP.NET Razor • PostgreSQL

- ◆ I implemented a system for receiving, verifying, and handling GDPR requests.
- ◆ In 2018, Nudge.ai began providing publicly available web pages to showcase our company data. I created a system to assess and improve the quality of our public-facing data.
- ◆ I added the capability for users to suggest changes to the information shown in our public pages with an intuitive interface.

Front-End Intern – Nudge.ai

May 2017 – August 2017

React.js • Redux • Webpack

- ◆ I created a web application that Nudge employees use to carry out administrative tasks.
- ◆ The application gives administrators a suite of internal tools to modify user accounts and company data used by the sales platform.
- ◆ The website is used daily by all areas of the company, including the CEO, to manage user and team accounts and to improve data quality.

EXTRACURRICULAR ACTIVITIES

Technology Executive – QHacks

April 2018 – February 2019

React.js • Redux • Gatsby • Lerna

- ◆ QHacks is a “hackathon” hosted at Queen’s University where software developers come together to collaborate on projects and win prizes.
- ◆ I am creating a landing page for the event and building the “QHacks Dashboard”, an online platform for QHacks participants.
- ◆ I am helping the executive team automate repetitive tasks and collecting QHacks participant data for analytics.

Chief Technology Officer – MUSE Magazine

October 2017 – April 2018

WordPress • CSS • JavaScript

- ◆ I designed a WordPress-based platform for publishing student-submitted articles online, that reflects the design-language of the physical MUSE magazine. In this role, I also took on any issues the online team faces in the publishing of articles.

PERSONAL SOFTWARE PROJECTS

MetaProjection – electoral projection aggregation and visualization (metaprojection.ca)

2019

React.js • Gatsby • Leaflet maps • Node.js

- ◆ MetaProjection is a web application that aggregates Canadian electoral projections from multiple sources and provides an overview of how the election is playing out, both federally and by district.
- ◆ A map is displayed at the top of the page which indicates how each riding is likely to vote. The application uses the user’s geolocation to find their district and display its likely winner.

Mandelbrot Set Visualizer

2016

Python 3 • Pillow • Tkinter

- ◆ I created an interactive program to explore the Mandelbrot Set, which is a famous example of a fractal in mathematics.
- ◆ This software uses multiprocessing to split up the work load across all available CPU cores in order to speed up the visualization.