Ross Hill

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EDUCATION

Queen's University   Kingston, Ontario
Bachelor of Computing Honours in Software Design   September 2016 - Present

PROFESSIONAL EXPERIENCE

Software Developer Intern   Toronto, Ontario
Verafin   May 2019 - August 2019

- I made multiple upgrades and bug fixes to the user interface that were requested by Verafin clients
- I created a software plugin that identifies high risk customers across hundreds of institutions, based on transaction and biographical characteristics

Full Stack Developer Intern   Toronto, Ontario
Nudge.ai   May 2018 - August 2018

- I implemented a system for receiving, verifying, and handling GDPR requests
- I added the capability for users to suggest changes to the information shown in our public pages with an intuitive interface

Front End Developer Intern   Toronto, Ontario
Nudge.ai   May 2017 - August 2017

- Using React.js with Redux, I created a modern interface for Nudge employees to carry out administrative tasks
- Interacting with a RESTful API, this interface allows an administrator to create, delete, or modify accounts, and to directly access and modify person and company data used by the sales platform

ORGANIZATIONS

Director of Controls, Data, and Automation   Kingston, Ontario
Queen's Vertical Farming Team   October 2019 - Present

- In charge of running weekly meetings, setting goals, and providing technical assistance to team members
- The CDA team is building an automated system for adjusting environment variables, such as temperature or light intensity, in order to maximize crop yield

Software Developer   Kingston, Ontario
Queen's Technology and Media Association   September 2019 - Present

- Software developer in an eight-person product team, within a tech incubator at Queen's University
- Building a user interface using React.js for Studii, a collaborative studying web application for students

Software Developer   Kingston, Ontario
QHacks   April 2018 - March 2019

- I helped build the landing page for the event and a web portal which over 1800 students used to apply
- The websites were built with React and used GraphQL to retrieve data for the user interface

PROJECTS

Metaprojection   *React, Gatsby, GraphQL*   metaprojection.ca
MetaProjection is a website that aggregates multiple Canadian federal electoral projections in order to provide an overview of how the election is playing out, both federally and by district

Mandelbrot Set Visualizer   *Python*   rosshill.ca/item/mandelbrot-set-explorer
An application for exploring Mandelbrot set fractal, using multiprocessing for improved performance

SKILLS

Programming Languages: JavaScript, Python, C#, PostgreSQL, GraphQL, HTML, CSS, Java
Libraries: React, Svelte, Django, Gatsby, Backbone.js, Arduino, Raspberry Pi, .NET