

Ross Hill

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EDUCATION

Bachelor of Computing (Honours) in Software Design (SODE-P-BCH)
Queen's University

September 2016 - April 2020
Kingston, Ontario

PROJECTS

ReqWise *Node.js, Svelte, Google Cloud Platform*

reqwise.com

- Designed and built ReqWise, a full-stack web application that helps web developers understand stakeholder needs, propose software requirements and designs, and seek approval from stakeholders
- Integrated various third-party libraries, including Slack's Node SDK, Shopify's Draggable library for drag-and-drop, Quill for rich-text comments, and Sentry for error tracking
- Added continuous integration which runs automated end-to-end tests for each commit using Cypress
- Deployed to Google Cloud Platform's App Engine, Cloud Storage, Cloud SQL, and Cloud Function services

Metaprojection *React, Gatsby, GraphQL*

metaprojection.ca

- Created MetaProjection, 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

PROFESSIONAL EXPERIENCE

Software Developer Intern

Verafin

May 2019 - August 2019

Toronto, Ontario

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

Software Developer Intern

Nudge.ai

Summers, 2017 and 2018

Toronto, Ontario

- Using React.js with Redux, I created a web interface for Nudge employees to carry out administrative tasks such as managing users
- I implemented a system for receiving, verifying, and handling GDPR requests from users
- I added the capability for users to suggest changes to the information shown in public-facing pages

ORGANIZATIONS

Director of Controls, Data, and Automation

Queen's Vertical Farming Team

October 2019 - Present

Kingston, Ontario

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

Software Developer

Queen's Technology and Media Association

September 2019 - Present

Kingston, Ontario

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

Software Developer

QHacks

April 2018 - March 2019

Kingston, Ontario

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

SKILLS

Programming Languages: JavaScript, Python, C#, PostgreSQL, GraphQL, HTML, CSS, Java

Libraries: React, Svelte, Fastify, Django, Gatsby, Backbone.js, Arduino, Raspberry Pi, .NET

Infrastructure: Google Cloud Platform, GitHub Actions, Twilio SendGrid, Sentry, Firebase