

SKILLS

Languages — Python 3, Node.js, JavaScript/HTML5/CSS3, C

Frameworks/Libraries — Express, React, Redux, OpenCV, NumPy, Pandas, jQuery, Junit

Tools/Other — Jira, MongoDB & MySQL, Redis, Google Cloud & AWS, API creation/integration, microservice design/dev, regex

EXPERIENCE

ecobee — Software Engineer Intern

05/20 - present

Minimized error costs by developing data pipeline with SFTP server and Google cloud functions.

Some random filler text to make it filled out.

Pitch Development — Full Stack Web Developer

05/19 - 09/19

Developed generic media microservice, saving **approximately 40 hours** of work.

Developed cache service with Redis. On average **saving 176ms per authenticated request**.

PROJECTS & WORK

Viral Disease Model, Opinion Dynamics Model

2018

In a team of 4 developed a GUI and model, simulating agent movement and viral disease infection.

Agent infectivity was model with opinion dynamics.

Web scraped data to make model reflect real world statistics.

MATLAB, Python, Matplotlib, Pandas

[source](#)

HeadtoHead.ca, CMS Subscription Platform

2019

Developed full admin and user authentication system along with subscription platform with Stripe API.

Application has been live and running with subscribers for 1.5 years.

Express, React + Redux, MongoDB, Stripe API

[private github](#) [live application](#)

CloudTect, Object Detection Model

2019

For hackathon, in team of 2 developed object detection model and web cam streaming server.

Final model detection accuracy of 96%.

Yolo3D, OpenCV, Machine Learning, Flask, React

[github](#)

Feedback, Web App

2017/2018

To allow my professors to garner feedback more easily, developed anonymous live feedback platform.

Live poll results and graphics, unique code for form that closes after set time period.

Natural language processing on comments, classifying as positive or negative.

Express, React + Redux, MongoDB

[github](#) [live application](#)

EDUCATION

Queen's University — Applied Mathematics and Computer Engineering (3.1 GPA)

2017 - 2022 (internship)

Engineering Society Software Development Team — Sub Team Lead

Sexual Assault Center of Kingston — Android App (class project)

EngLinks — Engineering Tutor

Relevant Course Work

Data Structures, Digital & Embedded Systems, Control theory, Signal & Systems theory, Calculus 3, Computer Architecture, Probability 1 & 2, Linear Algebra 1 & 2, OOP for engineers.