

# William Fitzjohn

(289) 221-4738 | wifitzjohn@gmail.com | Toronto, ON  
www.github.com/WilliamFitzjohn | www.fitzjohn.dev

## EDUCATION

### University of Guelph

*Bachelor of Computing (Honours) in Computer Science*  
*Economics and Finance Minor*

**August 2019 – April 2023**

Guelph, ON

## EXPERIENCE

### Global Burden of Animal Diseases

*Software Developer*

**April 2022 – Current**

Guelph, ON

- Designing and producing analytical Plotly dashboards for visualizing data based on client's requirements.
- Converting Flask applications to lightweight Docker containers and deploying them to production via AWS.
- Optimizing open-source software to support a global team of analysts and researchers.

### Deloitte

*IT Co-op*

**May 2022 – August 2022**

Toronto, ON

- Supported management on 5+ projects resulting in time savings of ~2300 hours of labour-intense work annually.
- Leveraged automations to reduce bottle-necks in business workflows, resulting in time-savings and less down-time.
- Assisted in the architecture and design of robotic processes with a focus on reliability using best practices.

### Deloitte

*IT Co-op*

**May 2021 – August 2021**

Toronto, ON

- Developed software to monitor 1000s of VMs (Virtual Machines) to deliver KPIs for management.
- Collaborated with Deloitte Data Centre Services to oversee 100s of servers, supporting client-facing service lines.
- Installed, configured, troubleshooted, and maintained servers remotely as well as on-prem.

## PROJECTS

### TwitchAlert | *JavaScript, Node.js, Twitch API*

**April 2022**

- Engaging viewers with influencers via 'Live' indicators with this full-stack Magic-Mirror module.

### Fitzjohn.dev | *React, Node.js, Git*

**April 2022**

- Providing an in-depth look of my previous work with an interactive React web portfolio.

### ClassIMG | *Python, PyTorch*

**March 2021**

- Classifying images using AI and Machine Learning powered by neural networks developed with PyTorch.

### UniSearch | *React, Flask, Python, Nginx, Git*

**January 2022**

- Enabling students to plan their degrees in a web app connected to a back-end serving scraped course data.

### GPS Route Tracker | *HTML, JavaScript, Node.js, Express, C, MySQL*

**April 2021**

- Manipulating GPS routes with a full-stack CRUD web application with integrated SQL databases.

## SKILLS

**Languages:** C, C++, CSS, HTML, Java, JavaScript, Python, SQL

**Tools/Frameworks:** Docker, Express, Flask, GitHub, Linux, MySQL, Nginx, Node.js, PostgreSQL, ReactJS

**Data:** NumPy, Pandas, Plotly, PyTorch, TensorFlow

## RELEVANT COURSEWORK

*CIS4780* Computational Intelligence

*CIS4020* Data Science

*CIS3760* Software Engineering

*CIS4520* Computer Security Foundations

*CIS3490* Algorithms

*CIS3050* Systems Programming

*CIS3530* Relational Databases

*CIS4650* Compilers

*CIS3110* Operating Systems