GitHub LinkedIn Website

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Work Experience

Data Structures - Head Teachers Assistant
University of Guelph | *Sept 2023 – Dec 2023*

- **Managed a team of teaching assistants** to ensure consistency in grading, feedback, and problem-solving assistance, encourage collaboration and knowledge sharing **among TA's.**
- **Conducted lab sessions** and offered personalized assistance to students, fostering a deeper understanding of **data structures and algorithms.**

Software Developer Co-op | *May 2023 – Aug 2023*
Digital Kitchener Innovation Lab – City of Kitchener

- Created chatbot using **OpenAI API and LLM** to enable users to inquire about zoning bylaws in Kitchener.
- Collaborated in team to create a **Flutter-based** sustainability app with gamification, LLM chat, speech-to-text, and **geospatial API** integration.
- Developed efficient web app using **EC2** instance of **AWS**, EcoScan, for **object detection** and waste categorization.

Web Application Developer | *Sept. 2022 -Dec. 2022*
Kenna

- Developed and maintained web applications using **Node.js**, **React**, **MSSQL**, and **JavaScript**.
- Debugged and resolved production issues in a timely manner.

IT&S co-op student | *May 2022 – September 2022*
Township of Centre Wellington

- Working with **RESTful APIs** to Automate the information on their private Cloud service and made a website using **JavaScript** and **python flask**.
- Hosted Website on **Apache web server**.

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Education

University of Guelph

Bachelor of Computing, Honors Co-op Major Software

Engineering, Minor project management.

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Technical Skills

Languages: C, C#, Java, Python, Dart, JavaScript, R, SQL, HTML, CSS.
Framework: React, Node.js, Flutter, Python flask, .NET, jQuery, Bootstrap, JSON.
Artificial Intelligence: OpenAI and LLM
Dev Tools: Jira, AWS, Azure, Git, Bitbucket, Docker.
Development: Object Oriented Programming, Data Structures, Algorithms, Software Integration, Automated Testing, Pair Programming, Agile Methods.

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Personal Projects

Tankie: | *Python, CSS, html*
The Wi-Fi controlled Raspberry Pi Car:

- HTTP library to stream camera feed and Ajax requests to control the pi from the website.
- Flask library for hosting the webserver.

Personal Portfolio | *React, JavaScript, CSS, html.*

- Used React framework of JavaScript.
- Used web designing skills to create responsive design.

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Academic Projects:

COVID-19 Statistical Analysis (2021) | *Python*

- The program will process, analyses, and plot relation between COVID-19 cases and other data using Seaborn and Matplotlib.

Portfolio of Investment in GUI (2021) |*Java, AWT*

- A Graphical user interface where you can manage the investments you made.

SVG Parser (2022) |*Node.js, C, JavaScript , html, CSS*

- Parse SVG files and give details of elements in it.

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Reference

Jeff Veniez – Manager of IT department at Centre Wellington

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