

# Steeve-Johan Otoka-Eyota

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## EDUCATION

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### York University

Jan. 2020 – May 2024

*Honours Bachelor of Computer Engineering*

*Toronto, ON*

**Courses:** Algorithms and Data Structures, Software Design, Software Requirements, 3D Computer Graphics, Computer Vision, Machine Learning, Embedded Systems

## EXPERIENCE

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### Co-chair & Tech Lead

Oct. 2023 – Present

*Ctrl+Hack+Delete*

*Toronto, ON*

- Spearheaded the establishment of the Ctrl+Hack+Delete hackathon at York University, pioneering a new annual event aimed at fostering innovation and collaboration within the university's tech community and beyond.
- Conducted comprehensive interviews to assemble a highly skilled and diverse tech team, ensuring a well-rounded set of skills to tackle the diverse challenges presented during the hackathon.

### Research Assistant

May 2022 – Apr. 2023

*Lassonde School of Engineering*

*Toronto, ON*

- Monitored and tracked the behavior of important aspects of laser-powder-bed fusion 3D printing to understand the origin of the defects appearing in the printing
- Built a **Python** application making use of **OpenCV** to process images and videos of the 3D printing process
- Pre-processed data from a high-speed camera and photo-diodes in the appropriate format for an **Artificial Neural Network** model and use in **K-means clustering**
- Assisted in the research project on materials discovery with high entropy alloys using machine learning

### IT Executive

Oct. 2022 – Apr. 2023

*ElleHacks 2023*

*Toronto, ON*

- Used **Figma** to design web site mock-ups for ElleHacks 2023
- Developed the ElleHacks 2023 website using Figma plug-ins alongside with **HTML, CSS and JavaScript**
- Worked in a team using the **Agile** methodology for constant collaboration and continuous improvement at every stage of the project

## PROJECTS

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### Autonomous Drone Inspection Program (Capstone Project) |

Sep. 2023 – Apr. 2024

- Conducted in-depth research on the project's topic, analyzing literature, industry trends, and best practices to inform decision-making.
- Contributed to the development of a well-structured software architecture design, utilizing tools such as use cases, test cases, UML diagrams, and modular architecture diagrams.

### clARity (Hack the Valley Best App Winner) | *Android Studio, Java, Python*

Oct. 2022

- Built an app that helps people struggling with anxiety, depression, and other mental health conditions by picturing their thoughts and dreams for journaling purposes
- Used the **Chaquopy SDK** to establish a link between the Python and Java code bases and make API calls
- Used the **Wombo API** to make **AI-generated** art work to create the user's journal entry

### CampUsMeet (TuffyHacks winning project) | *React, Node.js, Express, MongoDB*

Feb. 2022

- Built a web scheduling application to facilitate university students meeting during their free time on campus
- Designed the server side of the web application using **Node.js, Express, and MongoDB**

## TECHNICAL SKILLS

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**Languages:** Java, Python, JavaScript, C, C#, SQL, MATLAB, Bash, Verilog

**Frameworks/Libraries:** React, Node.js, Flask, JUnit, OpenCV, pandas, NumPy

**Developer Tools:** Git, Postman, Unity, Figma, Jira

## OTHER

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**Languages:** French (Native), English (Fluent)