

Daniel Xu

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EDUCATION

University of Toronto - St. George Campus

Sep 2021 – May 2026

Honours BSc Computer Science Specialist | GPA: 3.9/4.0

- Dean's List Scholar, 2022 Later Life Learning OSOTF Award winner
- Enrolled in the Arts and Science Internship Program (ASIP) for Computer Science Specialist
- **Relevant Coursework:**
Data Structures and Analysis, Theory of Computation, Software Tools and Systems Programming (C), Software Design (Java), Databases (SQL)

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, SQL (PostgreSQL), HTML/CSS, JavaScript, C, R
- **Tools/Technologies:** Git, Linux, LaTeX, Arduino
- **Frameworks/libraries:** Pygame, Numpy, JavaFX, Matplotlib, Django, Bootstrap

WORK EXPERIENCES

Ikki Sushi

May 2018 – May 2020

Food Server

- Consistently provided speedy and dependable services resulting in a **85%** customer satisfaction rating and positive social media reviews.

PROJECTS

AuctioZone

Feb 2023 – present

- Created a dynamic e-commerce auction website similar to eBay using Django, facilitating the posting and closing of listings, placing bids, and adding items to the watchlist for real-time updates.
 - Leveraged **Django's Model** feature to efficiently manage user and listing data in a local **SQLite** file.
 - Developed a fully responsive and intuitive user interface with **Bootstrap**, **HTML**, and **CSS**, ensuring seamless user experience across all screen sizes.

Video Entertainment System

May 2022 – Aug 2022

Lead Developer

- Led a team of **6** to develop a **Java**-based command-line video sharing application that facilitated video creation, sharing, and user engagement.
 - Employed **clean architecture** and **SOLID** principles and implemented several **design patterns**, exceeding course requirements and earning an A+ grade.

CO(VISION): COVID-19's impact on Employment

Nov 2021 – Dec 2021

Lead Developer

- Coordinated with a team of **4** to develop a **Python**-based application that analyzes the impact of COVID-19 on various industries.
 - Extracted and filtered more than **100,000** data points from the Government of Ontario on monthly positive COVID-19 cases and over **200** data points from Statistics Canada on monthly employment rates per industry.
 - Utilized the data sets to calculate correlations between COVID-19 cases and industry employment rates and presented the results through a graphical user interface (GUI) built with Pygame and **Matplotlib** libraries.

EXTRACURRICULARS

University of Toronto Esports

Sep 2021 – present

Collegiate Overwatch Player

- Utilized critical thinking skills to develop and execute successful strategies in collaboration with team members, resulting in a **1st** place finish in the NACE Starleague Open Plus competition.