

# Daniel Xu

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## EDUCATION

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### University of Toronto - St. George Campus

September 2021 – May 2025

*Honours BSc Computer Science Specialist — GPA: 3.8/4.0*

*Toronto, ON*

- 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

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**Languages:** Java, Python, C, SQL (Postgres), JavaScript, HTML/CSS, R

**Frameworks:** Django, Bootstrap, Flask

**Developer Tools:** Git, VS Code, Visual Studio, PyCharm, IntelliJ

**Libraries:** NumPy, Matplotlib, Pygame, JavaFX

## EXPERIENCES

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### Food Server

May 2018 – May 2020

*Ikki Sushi*

*Burlington, ON*

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

## PROJECTS

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### AuctioZone | Python, Django, SQLite, HTML, CSS

February 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 | Java, Git

May 2022 – August 2022

- 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) | Python, Matplotlib, Pygame, Git

November 2021 – December 2021

- 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.

## EXTRACURRICULAR ACTIVITIES

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### Collegiate Overwatch Player

September 2021 – Present

*University of Toronto Esports*

*Toronto, ON*

- 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.