Daniel Xu

416-527-1538 | danielx.xu@mail.utoronto.ca | linkedin.com/in/1danielxu/ | github.com/Dani3lx | dani3lx.github.io/Portfolio/

EDUCATION

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

Languages: Java, Python, C, SQL (Postgres), JavaScript, HTML/CSS, R
Frameworks: React, Django, Bootstrap, Material-UI
Developer Tools: Git, VS Code, Visual Studio, PyCharm, IntelliJ
Libraries: NumPy, Matplotlib, Pygame, JavaFX

PROJECTS

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.

EXPERIENCES

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.

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.