

Sivan Xu

647-639-2278 | sivanxxu@gmail.com | [linkedin.com/in/sivan](https://www.linkedin.com/in/sivan) | github.com/sivanxxu

EDUCATION

Queen's University

Kingston, CA

Bachelor of Applied Science, Computer Engineering

Sep. 2024 – May 2027

- 3.72/4.3 GPA, Software Programmer in Queen's VEX Robotics Team, Website Developer for Queen's Chess Club.

EXPERIENCE

Data Cleanser

Aug. 2022 – Aug. 2022

PartnerRe

Toronto, CA

- Supported 4 data clean-up projects, amounting to roughly 6,000 policies corrected (Net Amount at Risk \$1.13 billion).
- Supported PartnerRe retro projects by processing transactions in the administration system.

Game Operator

Aug. 2023 – Aug. 2023

Canadian National Exhibition

Toronto, CA

- Managed several clients and process transactions in a fast-paced environment.
- Demonstrated and completed the objective of the game, given no prior experience and few attempts.

PROJECTS

Personal Website | *HTML, CSS, Javascript, PHP, MySQL, Git*

May 2023 – Present

- Developed a full-stack personal website. sivanxu.xyz
- Implemented a MySQL back-end database for blog entries, and displaying data onto front-end using PHP.
- Implemented Password Hashing and Admin Access through front-end.
- Synced Visual Studio Code with Github for editing code across multiple devices using Git.

Facial Recognition Doorbell | *Raspberry Pi, Node.js, AWS, Python, DynamoDB, MySQL*

Jan. 2024 – May 2024

- Developed a doorbell that messages the user through SMS that someone is at their door, with their name.
- Developed a full-stack website where users can watch the live feed, and add or delete trusted faces.
- Responsible for Amazon Web Services, Python, DynamoDB, and S3 Bucket for facial recognition and storage.
- Wrote several engineering reports throughout the progress of the report, detailing on the design and implementation of the project.

Automated Fluid Dispenser | *Solidworks, Arduino, Java*

Sep. 2023 – Dec. 2023

- Developed a device that both dispenses and mixes various powders and liquids with the touch of a button.
- Designed the device to be modular, with each component connecting together using a pegboard.
- Developed a Solidworks Model of the entire device.
- Responsible for Gearbox and safety implementations of the device, ensuring moving components are protected from human interference.

Robotics Team Executive

Sep. 2022 – Sep. 2023

- First team in the T.D.S.B to compete in the FIRST World Championships in Houston, Texas.
- Developed team website to showcase accomplishments / contact info. devolotics.github.io

Co-Founder of Scarborough S.T.E.M. Alliance

Sep. 2022 – Sep. 2023

- Networking to robotics teams in USA, Ukraine, Netherlands, Kazakhstan, Brazil, and more on how they can bring S.T.E.M. to their communities.
- Mentoring 3 FIRST Lego League Teams in Scarborough.
- Co-hosting 6 in-person workshops on robotics and programming in elementary schools, malls, and the Toronto Public Library.

TECHNICAL SKILLS

Languages: Java, Python, C, MySQL, JavaScript, HTML/CSS, Rust

Frameworks and Libraries: React, PHP, NumPy, Manim

Developer Tools: Git, Docker, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, CLion, Solidworks