

# Anthony Xu

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## EXPERIENCE

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### QA Automation Engineer | @Teranet

May 2022 – Aug 2026

*SQL, C#, Selenium, Azure DevOps, Octopus Deploy*

*Mississauga, ON*

- Authored SQL scripts to automate the process of permission access modification for users from different companies and roles
- Planned and executed/coded 50+ different end to end tests through Selenium Automation using C# with SQL and manual QA independently
- Applied Git, Azure DevOps and Octopus Deploy for version control, better management of work items, bug fixes and version updates

## TECHNICAL SKILLS

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**Languages:** C/C++, Python, C#, SQL, HTML, CSS, Javascript, VHDL

**Frameworks:** Selenium, Hexo, OpenPyXL

**Tools:** Git, Azure DevOps, Octopus Deploy, File Zilla, Visual Studio

## PROJECTS

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### Personal Website/Blog and gallery | *CSS, Javascript, HTML, Hexo, Markdown, Git*

Dec 2021 – Present

- Developed a static blog website hosted on Github pages using the Hexo framework
- Customized the style of UI of the blog using CSS
- Created a separate photography gallery page to house my Street Photography portfolio

### Web Automation on Transaction Logs | *Python, Selenium, OpenPyXL*

Dec 2021 – Jan 2022

- Developed a web automation program using Python and the Selenium Framework which logs in to the UWaterloo Student Card account website and extracts the transaction history of the account between given dates
- Identified web elements by Id, Class Name, XPath, etc
- Automatically creates and inputs data into an Excel file using the OpenPyXL framework
- Skips unexpected pop-ups windows such as cookie statement prompts

### Shopping List Program | *C++, Git*

May 2022 – Sept 2022

- Implemented a shopping list application with command line interface which allows users to add and keep track of bought items
- Used **OOPs** concepts and dynamic linked lists to store transaction data which significantly saved memory and computing power
- Manipulated linked lists to sort transactions by trading date and calculated the adjusted cost base of stock shares
- Managed memory leaks and dangling pointers in a large project
- Managed the version control process using Git with team members

### STM 32 Nucleo Macro Pad | *C, PlatformIO, STM32*

Sept 2021 – Dec 2021

- Researched, designed and prototyped an HID device with keyboard switches, buttons, LCD screen, LED indicators and rotary encoders based on an STM32 Nucleo dev board
- Programmed the board to interact with host devices running Windows 10 OS using PlatformIO and C
- Managed the version control process using Git with team members

## EDUCATION

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2A Honours Computer Engineering, University of Waterloo

Sept 2021 – Apr. 2026

*Candidate of Bachelors of Applied Science*

*Waterloo, Ontario*

- Cumulative Average: **84%**, GPA: **3.79**
- Waterloo President's Scholarship of \$2000
- Intramural Soccer