Anthony Xu

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EXPERIENCE

QA Automation Engineer| **_@Teranet_**   May 2022 – Aug 2026
SQL, C#, Selenium, Azure DevOps, Octopus Deploy, FileZilla   *Mississauga,ON*

- Authored SQL scripts to automate the process of permisson access modification for users from different companies and roles
- Planned and executed/coded 50+ different unit and end-to-end tests through Selenium Automation using C# with SQL, FileZilla as well as 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

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

Frameworks: Selenium, Hexo ,OpenPyXl

Tools: Git, Azure DevOps, Octopus Deploy, File Zilla

PROJECTS

⭙ **Real-time Attention Span Heatmap with Eye Tracking**| *Python, ReactJS, Flask*   Sept 2022

- Completed at **Hack The North 2022** within 15 hours with 3 other group members
- Built a live demo that reflects a user's attention span on a restaurant menu, using the eye-tracking technology of **AdHawk MindLink glasses** and its API(Python)
- Real-time visualization of attention span with a React heat map indicating which menu items are receiving more attention
- Used React for frontend and Flask for fetching backend Python data to display the live demo locally
- Managed version Control using Git and Github with team members

⭙ **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 extrats the transaction history of the account between given dates
- Automatically creates and inputs data into an Excel file using the OpenPyXl framework
- Skips unexpected pop-ups windows such as cookie statement prompts

⭙ **Shooping 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
- Avoided memory leaks and dangling pointers in a large project
- Managed the version control process using Git with team members

EDUCATION

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**
- UWaterloo President's Scholarship of $2000
- Intramural Soccer