Anthony Xu

| a68xu@uwaterloo.ca | | hakuuww.github.io | | 226-899-1952 | | Computer Engineering |

Experience

QA Automation Engineer | *SQL, C#, Selenium, Azure Devops, Octopus Deploy* Sept 2021 – Dec 2021

- Authored SQL scripts to automate the modification of access permissions for users of different companies and roles for version updates
- Independently planned and executed/coded 50+ different end to end tests through Selenium Automation using C# with SQL and manual QA
- Learned to use 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

Frameworks: Selenium, Hexo ,OpenPyXl

Tools: Git, Azure DevOps, Octopus Deploy

Projects

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
- Used CSS to customize the beautify the UI
- Created a separate photography gallery page to house my Street Photography portfolio

Web Automation/Scraping 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
- 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

Shooping List Program | *C++, Git* May 2022 – September 2022

- Implemented a shopping list application with command line interface which allows users to add and keep track of bought items
- Used Git for version control with 2 classmates
- Used **OOP** 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

STM 32 Nucleo Macro Pad | *C, PlatformIO plugin on VS Code, STM32, Git* Sept 2021 – Dec 2021

- Worked in a team based environment and used Git to manage and share the project progress between team members and supervisors
- Developed an HID macro pad that utilizes a rotary encoder,breadboard, STM 32 Nucleo Dev Board, and cherry MX style breakout sockets. Which can be used as a peripheral for one's personal computer
- Created and followed gantt charts for better project management and time tracking

Education

2A Honours Computer Engineering, University of Waterloo Sept 2021 – April 2026

Candidate of Bachelors of Applied Science *Waterloo, Ontario*

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