




# Han Dong

## Skills & Abilities

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Programming Languages: C++/C, Java, JavaScript/HTML/CSS, Python, MATLAB, VHDL, Arduino  
Frameworks and Tools: React.js, Katalon, NodeJs, MySQL, Selenium, Git, Jenkins, Postman, Linux

## Experience

### [Software QA Analyst] — [Axonify]

Jan 2023-  
Apr 2023

- Developed and maintained **automated test scripts** using **Java**, with **Selenium WebDriver** and **TestNG** in Katalon for the company's web application. Resulting in a **60% reduction in testing time** comparing to previous regression test methods
- Designed new and refactored the old scripts using **Postman** with **REST API** and **SOAP** web service to achieve 90% execution time saving
- Created shared step of scripts to automate the process of accessing **SQL database**.
- Build and deploy testing environments with pipelines that contain test scripts on **Jenkins** to help developers test the new features they worked on
- Participated in an agile development team and attended QA blitz where collaborating with senior developers to review new features and identify potential issues
- Utilized **Testrail** and **Jira** to track test cases and bugs, and use **SCRUM** methodologies to test web application, mobile app and API integration

May 2022-  
Sept 2022

### [WE Accelerate Azure Project Member] — [Microsoft]

- Utilizing Microsoft **Azure AI** and **10+ AI cloud computing technologies** to prototype a Bureaucracy Management Tool for disabled person's needs, including **Azure Machine Learning**, **Azure App** and **Azure SQL**, etc...
- Designed and implemented **automated testing and training** machine learning pipeline

## Projects

### [Review it!] — [React.js/JavaScript/NodeJS]

- Developed a rating web application that allows users to create and rate any products they find in the market using **JavaScript**, **NodeJs**, and **React** with styled components and animations
- Built the application with **Context API**, **Axios** and **useReducer** to fetch **API data** for the rating system
- Utilized **React Router** to navigate within the application to provide seamless browsing experience

Jan 2023-

### [Personal Website (nanayonn.github.io)] — [React.js/JavaScript/SCSS]

- Utilized **React** libraries with **JavaScript** and **SCSS** to build a **fully interactive** personal website
- Implemented **emailJs** to allow the visitors to contact me by directly sending emails on the website
- Deployed scripts that construct branches that allow React App deployed on GitHub Page

Jan 2023-  
May 2023

### [Flight time tracker] — [C++/Qt]

- Created a tracker that tracks the flights and the flight time between cities using weighted graph theory. Designed it to stored up to **20k data**, implemented **add**, **load**, **search** and **delete** functions
- Manipulated the **prim's algorithm** by **constructing priority queue** to calculate the shortest path from one place to its destination
- Implemented function that **imports** the original data and **exports** the organized summary from the graph to txt files using **Qt**

Sept 2022-  
Dec 2022

## Education

[Candidate for BAsC in Computer Engineering]— [University of Waterloo] Sept 2021-Present