

Khubi Shah

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Skills Summary

Programming Languages: C++/C, JavaScript, HTML, CSS, Java, Python, SQL, Scheme, Bash

Tools/Technologies: Git, Linux, AJAX, React, D3.js, Node.js, Mongo, Express, jQuery, Eclipse, VS Code

Learning This Term: on *Udemy* –MySQL, Redux, Azure; *University courses* - Computer Organization and Design, Sequential Programming, Data Structures and Data Management, Statistics

Software Methodologies: Agile, Waterfall, TDD, Quality Assurance

Languages: English, French, Hindi

Interests/Passions: Piano, Badminton, Public Speaking, Dancing, and WiCS (Women in CS) Waterloo

Work Experience

Climax Media – Quality Assurance Analyst

May 2019 – Aug. 2019

- Collaborated with a web development team following the **Agile** Test-Driven Development (**TDD**) methodology in four major client projects, from integration to production.
- Analyzed product requirements, planned, conducted, and monitored manual and automated tests of client solutions to ensure produce quality using **TestRail**, **GitHub**, **Postman**, **Azure DevOps**, and **Jasmine**.
- Areas of testing: API testing, UI testing, unit testing, database testing, regression tests, smoke tests, load testing, stress testing, etc.
- Initiated the implementation of more comprehensive accessibility (AODA) testing in old and new features.
- Continuously communicated with developers, project managers, business analysts, and the rest of the QA team to report bugs in new features, coordinate deadlines, investigate client complaints, and identify areas of improvement in the quality system.
- Researched and compiled a report for the areas of QA work in which more automated testing could be introduced, illustrated the cost cuts, and presented this report to senior management. Grade of 90% received.

Project Experience

Biquadris – Team Project

Oct. 2019 – Dec. 2019

- Collaborated with two colleagues to code a multiplayer version of the game Tetris using **C++** and **Git**.
- Implemented the game with strong **OOP design principles** and **design patterns** such as the Observer Pattern, Factory Method Pattern, and MVC Pattern.
- Received a final grade of 97% on this project.

Personal Website – Individual Project

Nov. 2019-Present

- Designed and coded a personal website using **JavaScript**, **HTML**, **jQuery**, and **CSS**.
- Incorporated modern CSS concepts of **animations**, **flexbox**, and **responsive web design**.
- Continuously working to add more complex features to the website, which serves as a business card.

Tic Tac Toe Supreme! - Individual Project

Dec. 2019 - Present

- Created an enhanced version of Tic Tac Toe using **React.JS**, and **JavaScript/HTML/CSS**.
- Used this project as an opportunity to learn and apply the main concepts and common patterns of React.
- Implemented extra features such as a timer for each player, move history tracker, and a game rewinding feature.

For other projects, please visit: <https://github.com/khubishah>

Education

University of Waterloo

Sept. 2018 – Apr. 2023 (expected)

Candidate for Honours Bachelors of Computer Science (Co-op).