Usman Siddiqui

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Education

University of Toronto
*Honours in Bachelors of Science in **Computer Science**, Co-op* *2016 - 2021*
Specialization in Software Engineering Stream
Relevant Course Work: Data Structures & Algorithms, Software Engineering/Design, Systems Programming, Network Security

Skills

Languages : Python, Java, C, Typescript, JavaScript, Haskell, Turing
Web/Frameworks : Angular, Node.js, React, HTML, CSS, SaSS
Tools/Technologies : Git, Linux, Docker, Bash, SQL, Android

Experience

Software Developer Co-op | *Ontario's Ministry of Education* Jan 2019 – August 2019

- Developed a full-fledged web application for business Analysts using **Angular**, Typescript, Node.js & Material design
- Designed features in an **Agile** environment following Google's **Material design principles** and ensuring that the application was responsive, mobile friendly and had an intuitive layout
- **Reduced page load times** by 30% by upgrading the web-framework from basic HTML and JavaScript to Angular 6 and minimizing the number of calls being made to the API
- Implemented **over 40+ features** and **fixed over 30+ bugs** reported by the QA team including accessibility compliance and issues in the web applications components
- Deployed the website into production and modified the application according to user feedback to ensure that the end consumers would be satisfied with their software

Automation Developer Co-op | *International Financial Data Services (IFDS)* May 2018 – August 2018

- Developed various automation tools in Java to **remove manual work by 100%** and lower labor costs
- Improved one of the automation applications runtime by implementing Hash Tables and removing nested loops that **decreased the time complexity** from $O(n^2)$ to $O(n)$
- Created automated test scripts from functional requirements and modified manual cases to ensure the application was working as planned
- Learned how to use LeanFT framework and Unified Functional Testing software to find issues in over 20+ cases

Projects

My Voice – UofT Hacks| *Communication app to translate hand gestures to voice for the mute* January 2017

- Implemented features for hand gestures in **Python** using **Leap Motion Sensor's API** to accurately track the data
- Designed features to use Text-to-Speech Module and the **Amazon Echo** to allow the hand gestures to be translated to voice
- Quickly **debugged** and found all bugs in the "My Voice" communication application to ensure that the application was working as intended for the demo
- Collaborated within a group of 5 where we brainstormed, created and debugged the application in a span of **48 hours**

Blackbox | *An android app to manage a course as a professor* November 2017

- Implemented features such as adding students/instructors, editing their grades and auto-grading their work
- **Reduced app load times** by 5% by removing redundant code and simplifying components
- Planned and executed team meetings to discuss, brain-storm and work on future implementations of the application

Volunteer

Hack the Valley | *Volunteer at hackathon* January 2017

- Volunteered with Microsoft to help them setup their booth and took initiative to answer their questions
- Mentored and answered any programming/technical questions from hackers to assist them in continuing to compete
- Strengthened client facing skills by ensuring hackers were following rules and regulations to guarantee there were no conflicts or safety issues