M TOWSEEF HOSSAIN

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TECHNICAL STRENGTHS

Programming	Java, Kotlin, React, Node.js, C++, Bash, Python, C, SQL, Scheme
Tools & Frameworks	Spring Boot, Splunk, Herokuapp, Jenkins, GitHub, Agile, AWS, LaunchDarkly

WORK EXPERIENCE

Intuit Inc. — Mississauga, ON
Full-stack Software Development Co-op — *Sep-Dec 2019*

· Worked on the compliance team for TurboTax Online to prepare it for review by the Canada Revenue Agency
· Improved cycle time reporting by **20%** by writing **Jenkins** scripts connected to **JIRA** and **GitHub**
· Developed a feedback system connected to **Splunk** that allows users to communicate directly with developers
· Developed a chat bot that leverages **AWS NLP** functionality to provide personalized support to taxpayers
· Increased test coverage of the codebase from **15%** to **25%** by writing unit and end-to-end tests using **JUnit**

Intuit Inc. — Mississauga, ON
Mobile Development Co-op — *Jun-Aug 2020*

· Implemented new functionalities for the TurboTax Online Android application as part of the Mobile team
· Developed a widget for the Android app to allow users to store relevant tax documents in the application
· Improved the users' onboarding experience by designing a progress bar for the sign up process
· Refined the TurboTax SKU recommendation system for a wider range of user experiences and expectations

Codeprentice — University of Waterloo / Columbia University
git.io/JUtIm — *Jul 2020 - Present*

· Worked on the Codeprentice team as a Front-End and Infrastructure Developer
· Designed the organization's website to inform members of the latest opportunities to contribute to open-source
· Ensured better contributions to the organization by designing **GitHub Actions** workflows and PR templates

PROJECTS

UW VR Website — Waterloo, ON
git.io/JJXis — *Jul 2020*

· Designed a robust website for the marketing of the UW Virtual Reality club, using **ReactJS**
· Created a deployment pipeline to ensure responsive updates and reduce website down time
· Developed routing in-application to update website from Google Sheets data and Google Photos assets
· Improved club visibility and average event attendance by **30%**

FoodyRoomies — Waterloo, ON
devpost.com/software/foodyroomies — *Jun 2019*

· Built a cohabitation assistance web application with an **HTML, Bootstrap CSS** and **JavaScript** frontend
· Programmed frontend functionality that updates the **MongoDB** database through the **NodeJS** backend
· Programmed the website to push notifications to a specified Slack channel using **StdLibJS** (now **Autocode**)

EDUCATION

University of Waterloo — Waterloo, ON
Candidate for Bachelor of Mathematics, Honours Co-op — *Expected to graduate in Jan 2024*

· Double Major in Statistics and Combinatorics & Optimization, with Computing Option