





TAHMID HAQUE

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Work Experience

Software Development Engineer Intern

May 2022 – Present

Amazon Inc.

Toronto, ON

- Currently developing a GraphQL documentation tool to enhance developer experiences when accessing large-scale APIs
- Utilized numerous AWS resources including Lambda, S3 & EventBridge to automate website generation and retrieval

Teaching Assistant

Summer 2021, Winter 2022

University of Toronto

Toronto, ON

- Assisted in the courses: CSCC69 Operating Systems (S21, W22) & CSCB58 Computer Organization (W22)
- Held weekly tutorials, practicals and office hours to teach students about low-level concepts including concurrency, virtual memory, file systems and digital logic
- Created videos surrounding memory management to help students understand various virtual memory data structures
- Graded and provided feedback in regards to student assignments in a timely manner

Software Developer

September 2020 – April 2021

CaseWare International Inc.

Toronto, ON

- Developed and released a web app using a TS (Angular) / Java (Spring) / PostgreSQL stack to deliver analytics data to accounting professionals in an intuitive format
- Designed and researched a distributed infrastructure to handle performant data pushes from desktop to cloud environments using AWS technologies
- Exemplified strong programming practices by creating solid documentation and integrating code coverage tools into development pipeline, increasing unit test coverage by 20%
- Collaborated with numerous teams across departments in an efficient manner, resulting in 30%+ more stories completed and positive UI reception among stakeholders

QA Analyst

September 2019 – December 2019

Vouchr Ltd.

Toronto, ON

- Verified and tracked over 12+ bugfixes and feature implementations per day to aid in clearing large backlog of stories while following Agile workflows
- Coordinated across software teams in resolving major obstacles on Web, Android and iOS platforms to ensure a consistent experience when using the product
- Presented my findings in a clear and concise format using Pivotal Tracker, documents and spreadsheets, allowing for effortless access to product progress/status

Technical Skills

Languages: C | C# | CSS (SCSS) | Haskell | HTML | NodeJS | Java | JavaScript | Python | TypeScript | Verilog

Databases: MongoDB | Redis | SQL (PostGres)

Frameworks: Angular | Express | Flask | Jasmine | Jest | JUnit | PyTest | ReactJS | Spring Boot | Vue.js

Others: AWS Provisioning | Bash (Unix) | Bootstrap | Docker | Git | GitHub Actions | GraphQL | L^AT_EX

Education

HBSc – Computer Science / Software Engineering

September 2018 – December 2022

University of Toronto

Toronto, ON

- Designated as a U of T Scholar
- Named on Dean's List: Summer 2019, Fall 2020, Fall 2021
- cGPA: 3.81/4.00

Projects

Hexagon Security Platform | MongoDB, Redis, NodeJS (Express), GraphQL, ReactJS (TypeScript)

Winter 2022

- Created an online platform that allows users to manage their security practices on the web including website credential management, autofilling passwords via a Chrome extension and storing sensitive information
- Designed a robust encryption scheme using AES-GCM/KW algorithms that allows secure storage of all delicate information, preventing even developers from intercepting user data

Bytes Rewards | MongoDB, Python (Flask), JavaScript

Summer 2020

- Collaborated with a team of 5 to create a mobile-friendly restaurant rewards web app that allows for multiple user types
- Showcased development progress under a static site deployed via Firebase to display information in convenient formats
- Demonstrated Agile practices by creating 5 deliverables, showing progress to external stakeholders in bi-weekly increments and as a result, being shortlisted for further development