TAHMID HAQUE

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Education

University of Toronto   **Sep. 2018 – Dec. 2022**
HBSc – Computer Science / Software Engineering   *Toronto, ON*
- GPA: 3.81/4.00
- Named on Dean's List: 2019, 2020, 2021
- (3x) Teaching Assistant: Operating Systems & Computer Organization (Hardware)

Work Experience

Amazon   **May 2022 – Present**
Software Development Engineer Intern   *Toronto, ON*
- Built a GraphQL documentation tool to enhance developer experiences when accessing a 1000+ definition schema
- Embedded the documentation tool within a React (TS) web app allowing for further customization & extensibility
- Provisioned 5+ AWS resources including Lambda, VPC, CodeBuild & others to automate website generation via CDK

University of Toronto   **May 2021 – Apr. 2022**
Teaching Assistant   *Toronto, ON*
- Hosted weekly tutorials, practicals & office hours with 25+ undergraduates to teach students about low-level concepts including concurrency, virtual memory, file systems & digital logic
- Created videos surrounding memory management to help 100+ students understand virtual memory data structures
- Graded and provided feedback in regards to 250+ student assignments & inquiries in a timely fashion

CaseWare International   **Sep. 2020 – Apr. 2021**
Software Developer Intern   *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

Vouchr   **Sep. 2019 – Dec. 2019**
QA Analyst Intern   *Toronto, ON*
- Verified over 12+ bugfixes & feature implementations per day while following Agile workflows
- Coordinated across teams in resolving obstacles on Web/Android/iOS platforms to ensure consistent user experiences
- Applied Pivotal Tracker, documents & spreadsheets to allow for effortless access to product progress/status

Projects

Hexagon Security Platform | *MongoDB, Redis, NodeJS (Express), GraphQL, ReactJS (TypeScript)*   **Demo**
- 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 schreme 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*   **GitHub**
- 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 infromation in convenient formats
- Demonstrated Agile practices by creating 5 deliverables, showing progress to external stakeholders in bi-weekly increments and subsequently being shortlisted for further development

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