

Aleem Haq

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aleemulhaq.github.io

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Skills

Programming Languages

Java
Python
C# .NET
Javascript (ES7+)

Libraries & Frameworks

Ruby on Rails
Django
PostgreSQL
JUnit & PyTest
NumPy

Development Tools

Unity (game engine)
Docker
Jenkins
iOS
AWS
Appium
Agile & Git workflow

Web

Html, CSS
REST API
React.js
Node.js

Project

Casino VR, Behavioral Economics

Virtual reality casino environment, built using C#, Unity (game engine) & SQL, to conduct experiments on risk aversion behavior

Education

BA in Computer Science, Honors

McMaster University | Hamilton, Canada

Graduated May 2022

Experience

Software Engineer

Equestrian Show Manager | Toronto, Canada

6 mo, Mar - Aug 2021

- **Project Owner & lead full-stack Engineer**
- Designed & built a **payment transaction system**, transforming the **manual-in person** to an **online authenticated payment service**, using Ruby on Rails, Javascript, PostgreSQL and the Square API
- Rewrote our frontend components in React.js to improve user experience & received **positive reviews**

Software Engineer

theScore | Toronto, Canada

1.5 yr, Apr 2018 - Aug 2019

- Collaborated across multiple teams to **develop, test & launch** theScore's Android & iOS mobile gambling applications
- Responsible for testing **Geolocation & Bet API**, to verify betting features are inaccessible in States with an effective online gambling ban

Software Engineer Co-Op

theScore | Toronto, Canada

1 yr, May 2016 - Aug 2017

- Developed a **UI test automation** framework with Appium for Android and iOS applications, **reducing a 2 week manual testing process to a 15 hour automated CI/CD pipeline**

Software Engineer in Test (SDET)

Urbint | NYC, USA

6 mo, Aug - Dec 2021

- Developed a tool & web-app to monitor & conduct performance tests for the Urbint API & visualize metrics, integrated with Datadog, Jenkins & Docker
- Profiled API & SQL queries, and optimized them to **decrease average HTTP request response rate by -63% (800ms to 300ms)**
- Rewrote & modernized **documentation** for **test infrastructure** reducing **new hire ramp-up time** from **1 week+ to 1 day**