

# Shehryar Assad

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## Computer Skills

Languages: Java, C, C++, JavaScript, Python

## Experience

- Winter 2020 **Software Engineering Intern, Google, Sunnyvale, CA.**
- Architected major UI/UX features and state management for the Firebase mobile app using Dart & Flutter
  - Implemented and productionized real-time event logging services in Objective C for the Firebase iOS SDK
  - Proposed changes to ML model bucketization functions and identified feature redundancies by researching and exploring bucketization strategies and building data visualizations using Python
  - Identified, debugged, and fixed a permissions error present in a production API
  - Contributed to discussions around the implementation and iteration of reinforcement learning techniques
- Summer 2019 **Software Engineering Intern, Faire, Kitchener, ON.**
- Drove a 20% increase in adoption of Faire's shipping service through developing back-end endpoints in Kotlin and integrating server-side rendering of shipping labels using mustache templates
  - Generated a 4% decrease in customer support ticket volume through revamping payment plan UI
  - Worked extensively with webpack and web profiling tools to benchmark and optimize build sizes
- Summer 2018 **Software Engineering Intern, Manulife, Toronto, ON.**
- Worked on building data pipelines to extract and analyze CI metadata using Spring Boot, regex, and SQL
  - Developed real-time data visualization dashboard with React to notify developers about build progress
  - Reduced user simulation time by 83% on LDAP servers through parallelizing test suites in Node.js
- Summer 2017 **Backend Engineer, Neoterix, Toronto, ON.**
- Built secure Node and Express CRUD back-end, containerized with Docker and deployed to AWS EC2
  - Modeled business requirements in SQL relations and microservice architecture in AWS Lambda
  - Ran A/B tests on accessibility features which led to a 15% increase in user retention rate

## Education

Fall 2018 – Present **Software Engineering, University of Waterloo, Intended Minor in Statistics, GPA: 94%.**

## Extra

- Contributor to open source projects - see <https://github.com/ShehryarX>
- Auxilium: Top 10 of 300+ teams and Best use of Twilio at PennApps XX
- Compass: 3<sup>rd</sup> Place of 300+ teams for Best Use of Facebook API at Hack the North 2019
- Realm: 1<sup>st</sup> place at Hack the 6ix for Best Use of AWS AI/ML Services
- Traffix: 1<sup>st</sup> place at DeltaHacks VI of 150+ teams for Best Hack for Environmental Impact
- Confluence: 3<sup>rd</sup> place at Waterloo Engineering Competition 2018 for distributing computing
- InforMGCI: A cross-platform mobile app to keep students informed; 500+ daily active users
- Built a highly efficient, real-time crypto trader bot in C++ that leverages arbitrage opportunities