

# Nathan D'souza

NathanDsouza.ca | github.com/NathanDsouza | Nathan.m.dsouza@gmail.com

## EDUCATION

### UNIVERSITY OF WATERLOO

Computer Science  
Graduating Sept 2020

## SKILLS

### PROGRAMMING

Java • C# • C++ • C •  
JavaScript • Python • Go •  
HTML • CSS

### TOOLS/Frameworks

Git • GraphQL • Vert.x • React  
Native • Redux • Jira • .NET •  
Linux • Firebase • Storybook •  
Android SDK • TestRail

## PROJECTS

### React Native + Redux + Firebase App

#### *Poker Pals*

Summer 2019

- Published onto the Play Store with 1000 downloads
- Created an app that acts as a virtual poker room
- Used Firebase for both Authentication and a Database

### Android App

#### *Bridge Score Tracker*

Summer 2018

- Created an android app that tracks score for the card game German Bridge

### Personal Website

*NathanDsouza.ca*

## EXPERIENCE

### YAHOO FINANCE | SOFTWARE ENGINEER INTERN

Jan 2020 - April 2020 | New York, New York

- Decreased the amount of time a batch of Yahoo Finance API calls takes by 45% through analyzing the dependency tree and increasing the parallelization for independent query execution, affecting 70 million users
- Exposed new endpoints to return the count of each type of alert a user has, allowing for user-specific alert notifications to be sent
- Software: Java, GraphQL, Vert.x

### BUNCH | MOBILE SOFTWARE ENGINEER INTERN

Jan 2019 - Apr 2019 | Toronto, Ontario

- Designed and developed screens used during onboarding such as the permissions, name, phone number and pin code entry screens as well as the custom components required
- Investigated and implemented a solution for a critical bug in the Firebase authentication process affecting Android users logging in
- Successfully investigated and found solutions for numerous UI bugs and crashes across both platforms
- Software Used: React Native, TypeScript, Redux, Java, Firebase, Storybook

### VISION CRITICAL | SOFTWARE DEVELOPER INTERN

Jan 2018 - Aug 2018 | Toronto, Ontario

- Implemented new user interface for an updated security model
- Refactored a major section of code in Golang to improve performance, substituting one library for another
- Identified and fixed accounting issues in build tools resulting in a more accurate test case coverage percentage
- Added new functionality to reporting and debugging tools
- Software Used: C#, Golang, CSS, JavaScript

### KIK | QUALITY ASSURANCE ANALYST INTERN

June 2017 - Sept 2017 | Waterloo, Ontario

- Developed and executed test strategies for KIK native clients and mobile web products affecting 300 million users
- Successfully handled multiple projects and ensured smooth releases by scoping, planning, and scheduling numerous features
- Collaborated with development teams across the organization to create functional test plans, performed feature and regression testing, and detailed issue reporting
- Software Used: TestRail, Jira