

# Tanvir Pathan

## LINKS

Github:// [tanvirpathan](#)  
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## SKILLS

### PROGRAMMING

Java • C# • AngularJS • Matlab  
Rails • Obj-c • Ruby • Python  
HTML • CSS • React • Redux

### TOOLS/Frameworks

Git • Cordova • Ionic • Travis-CI  
Xcode • Android Studios • Calabash  
Selenium WebDriver • Jenkins

### HARDWARE

FPGA Boards • Circuits  
Oscilloscopes

## EDUCATION

### UNIVERSITY OF WATERLOO

Candidate for Bachelor of Applied  
Science in Honours Electrical Engineering  
Expected April 2019 | Waterloo, ON

### COURSEWORK

Algorithms & Data Structures  
Embedded Systems Design  
Digital Circuits and Systems  
Electrical Properties of Materials  
Electronic Devices  
Analog Control Systems  
Discrete Mathematics

## ACTIVITIES & AWARDS

- Feb 2018 | 2nd place at TribalScale hackathon
- July 2014 | President's Scholarship of Distinction
- Participated in the Google games, various conferences and hackathons to gain strong leadership and management qualities.

## EXPERIENCES

### TRIBALSCALE | SOFTWARE DEVELOPER

Jan 2018 – present | Toronto, ON

- Building web application components and features with React/Redux and Rails

### MITRE MEDIA | FULL STACK DEVELOPER

May 2017 – present | Toronto, ON

- Implemented various front-end (HTML, CSS, JS)/back-end (Ruby, PHP) features, speed optimizations and bug fixes across 3 Rails sites
- Wrote and optimized algorithms for sidekiq workers to update large amounts of data daily
- Converted PHP pages to Rails sites to increase user interactivity by 22%
- Built a chrome extension to help centralize daily company activities and documentations

### BAZAARVOICE | SOFTWARE DEVELOPER

Sept 2016 – Dec 2016 | Austin, TX

- Created Cordova based hybrid mobile app and SDK plugin for iOS and Android
- Used Ionic and AngularJS to create front-end UI and back-end services
- Wrote cross platform automated tests using Calabash for the mobile application which integrated with Travis-CI for continuous integration testing
- Open sourced the project ([git.io/vQYXA](#)) and published a blog post on hybrid mobile application development ([goo.gl/MwL2Z8](#))

### CONNECTED LAB | QUALITY ASSURANCE ENGINEER

Jan 2016 – Apr 2016 | Toronto, ON

- Developed test scripts using Calabash/Cucumber for automated mobile application testing
- Used the Swagger framework for API testing for web applications
- Tested software and hardware devices on platforms including iOS, tvOS, Android and Web

### OBERO SOLUTIONS | QUALITY ASSURANCE ENGINEER

Mar 2015 – Aug 2015 | Vaughan, ON

- Developed test scripts using Selenium WebDriver and wrote business requirement documentations

## PERSONAL PROJECTS

### CHILLBOT | [github.com/tanvirpathan/chillbot](#)

Feb 2018

- A Google home based application that uses Tensorflow and machine learning to determine which kinds of drinks are available in a fridge.

### MEME STOCK EXCHANGE | [memesx.com](#)

June 2017 - Present

- Ruby on Rails based application for buying and selling memes with Reddit API integration
- Stress testing application with 200+ daily active closed beta users

### BOP-IT! | [github.com/tanvirpathan/Bop-It](#)

Jan 2016 – May 2016

- Used Obj-c to create a reaction based game involving UIGestureRecognizer, SpriteKit Particle Emitters and Facebook's POP Animation Engine