

# MANVEER BASRA

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## HIGHLIGHT OF QUALIFICATIONS

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- Extensive experience in native Android development through work on numerous Android apps
- Proven interpersonal skills developed through open-source collaboration in Google Code-In
- Considerable experience in multiple languages and APIs established by relevant coursework and side-projects

## EDUCATION

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**University of Toronto** *September 2017 - Present*  
B.Sc. Computer Science (Minor: Statistics) *GPA: 3.7/4.0*

## SKILLS

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<b>Languages</b>	Java, Python, C, HTML, CSS, SQL, JSON, XML, git
<b>Technical Knowledge</b>	Multi-threading, Databases, Unit-testing, Design Patterns
<b>APIs &amp; Frameworks</b>	REST APIs, Google CP, Selenium, CodeCov, Travis/Circle-CI

## PROJECTS

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**OnTime** *November 2018 - Present*

- Android alarm manager application built using Java
- Dynamically moves alarm times based on traffic and weather data
  - Applied MVC model to multi-thread UI population averting lag in display
  - Used singleton-pattern to expel memory leaks and process heavy re-instantiating of objects
  - Asynchronously sends HTTP requests to retrieve weather & traffic data as JSON objects

**Game Center** *October 2018 - December 2018*

- Project Manager in a team of five people
- Developed an Android application of multiple mini-games
- Has functionality to login and save/load previous games, and keep track of scores
  - Implemented observer-pattern and dependency-injection to boost code coverage by 14%

**Activity Extractor** *December 2016 - January 2017*  
*CCExtractor Development* *Google Code-In 2016*

- Command-line based Python program to scrape viewing activity from streaming sites
- Uses Selenium to interact with browser and retrieve data

## ACHIEVEMENTS

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- Finished in Global Top 4% (amongst 1,340 candidates) in Google Code-In 2016 and 3rd with CCExtractor Development
- Ranked Gold in Regional, and Bronze in Provincial BC Skills Canada Graphics Design Competition