

# Arsala Bangash

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## EDUCATION

**H.B.Sc IN COMPUTER SCIENCE**  
**UNIVERSITY OF TORONTO**  
Expected May 2019 | Toronto, Canada  
Computer Science Specialist  
Statistics Major  
Dean's List (All Semesters)

### JOHN FRASER

Grad. May 2015 | Mississauga, Canada

## LINKS

Github:// [ArsalaBangash](#)  
LinkedIn:// [in/ArsalaBangash](#)  
Twitter:// [@StudioACH](#)

## COURSEWORK

### UNDERGRADUATE

Intro to Software Design  
Intro to Computational Theory  
Intro to Computer Science  
Multivariable Calculus  
Probability and Statistics  
Linear Algebra

### SELF INITIATED STUDY

Android Development  
Javascript and Bootstrap  
React Native  
Unity Game Development

## SKILLS

### PROGRAMMING

Over 5000 lines:  
Java • Python • LaTeX  
Over 1000 lines:  
Javascript • CSS • Git  
Familiar:  
C Sharp

### IDES

Android Studio • IntelliJ IDEA •  
WebStorm • Eclipse • Atom

### PLATFORMS / FRAMEWORKS

Android • LibGDX • Bootstrap • React •  
Unity

## EXPERIENCE

### UNIVERSITY OF TORONTO | COMPUTING SUPPORT REPRESENTATIVE

September 2016 - Current | Toronto, Canada

- Coordinated service delivery by entering reported service requests, problems and solutions into the UTM ticketing system. .
- Checked for proper operation of equipment in electronic classrooms and meeting rooms .
- Performed first level classroom support including maintenance, delivery, setup and operation of technical equipment in classrooms and for events.

### COMSATS ISP | WEBSITE DEVELOPMENT INTERN

May 2013 – Aug 2013 | Islamabad, Pakistan

- Aided in designing the COMSATS website .
- Learned basic HTML and CSS programming from the web design team.
- Delivered a presentation to the CEO of the company at the conclusion of the internship

### WALK ON CHARITY INITIATIVE | FOUNDER

June 2013 – September 2015 | Islamabad, Pakistan

- Began a shoe distribution drive in my high school which blossomed into a large scale charity initiative that involved philanthropic activities related to education, the environment and social welfare
- Helped distribute aid to poverty-stricken communities
- Developed the website for the organization using WordPress:  
walkonofficial.com

## PROJECTS

### COSMIC MANEUVER | MOBILE ANDROID GAME

May 2016 – September 2016

Developed a mobile game with a fellow student for the Android platform using Android Studio and the LibGDX framework. An accelerometer based space experience, Cosmic Maneuver has the player trying to stay alive by avoiding asteroids. The game contains Admob and Google Play Services functionality.

- [play.google.com/store/apps/details?id=com.anyconfusionhere.spaceshipgame](https://play.google.com/store/apps/details?id=com.anyconfusionhere.spaceshipgame)
- GitHub Repo: [github.com/ArsalaBangash/Cosmic-Maneuver](https://github.com/ArsalaBangash/Cosmic-Maneuver)

### MATHEMATICS APP (TITLE TBD) | MOBILE APPLICATION

September 2016 - Present

Currently working with a team developing a Mathematics based mobile application using the React Native mobile development framework. The application will launch on Android, iOS, and on the Web.

### NYC CRASH DATA VISUALIZATION | JAVA PROGRAM

January 2015 - February 2015

Used the Processing software sketchbook to create a program that would graphically visualize crash data from New York City. The program was done as a school assignment, and it involved key programming concepts such as Objects, Inheritance, Polymorphism, Searching Algorithms and Perlin Noise.

Github Repo: [github.com/ArsalaBangash/NYC\\_Crash\\_Data\\_Visualization](https://github.com/ArsalaBangash/NYC_Crash_Data_Visualization)