

# RUNQI BI

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## EDUCATION

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### University of Toronto, St. George Campus

September 2016 - June 2021 (expected)

Honours Bachelor of Science, 3<sup>rd</sup> Year

Specialist in Computer Science, major in statistics and Minor in Mathematics

Focus on Artificial Intelligence

#### Relevant Courses

Software Design (CSC207), Software Tools and System Programming (CSC209)  
Introduction to Artificial Intelligence (CSC384),  
Algorithm Design, Analysis & Complexity (CSC373)

## TECHNICAL SKILLS

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#### Programming

Python, Java, C, JavaScript, Verilog, SQL, HTML, CSS, jQuery, SAS, Latex

#### Development Tools

Android Studio, WebStorm, Git, GitBook, PyCharm, Visual Studio Code,  
WordPress, Bootstrap, IntelliJ, UML, VirtualBox, Valgrind, GDB

#### Document Tools

Microsoft Word, Microsoft Excel, Microsoft PowerPoint, Markdown

#### Platforms

Windows, MacOS, Android, Linux

#### Certificate

SAS Certified Base Programmer for SAS 9

## RELEVANT PROJECTS

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### Game Center (Android, Java)

Fall 2018

Project Manager of 5-person team, CSC207: Software Design

*UofT*

- Developed the Game Launch Center that allows users to log in with accounts and play multiple games. Implemented file-based data storage in order to save the game state and scoreboard.

### Word Guessing Game Over Socket (C)

Winter 2019

Individual Project, CSC209: Software Tools and System Programming

*UofT*

- Developed multitasking server to handle multiple clients transferring messages using sockets.

### Multi-Agent Pacman Game (Python)

Summer 2019

Individual Project, CSC384: Intro to Artificial Intelligence

*UofT*

- Keywords: DFS, BFS, A\* Search, Minimax, Expectimax, Alpha-Beta Pruning
- Analyzed both heuristic search and uninformed search algorithms, and implemented multi-agent models.

### Personal Website(Continued)

Summer 2019

Individual Project | 📧 <http://birunqi.com>

- Deployed using HTML, CSS and JavaScript. See more relevant projects for details.

### Crowdmark(Continued)

Summer 2019

- Use Cookies to allow Crowdmark users to log in and download their files. Front-end in HTML, Back-end in Python.

## EXTRA -CURRICULAR ACTIVITIES

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Self-employed Peer Tutor at the University of Toronto

2018 Summer-Present