

# Brian Chen

Software Engineer

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Toronto, Ontario

## Education

### University of Toronto

Honors Bachelor of Science

**Software Engineer** (Co-op)

**GPA 3.52/4.00**

Expected Grad: 2020

### Course Work

Systems Programming

Software Design

Theory of Computation

Discrete Mathematics

Linear Algebra

## Languages

ASP

C

C++

HTML/CSS/JS

Java

Shell/Bash Script

SQL

PHP

Python

## Design

Photo Editing

Typography

UX/UI Design

## Other

Agile Development

Algorithms

Data Structures

Source Control

TCP/IP Networking

UNIX/Linux Systems

## Professional Experience

### Software Developer at IvyGlobal

SUMMER '15 – FALL '15

Led the development of a USA college placement site that dynamically predicts and matches students to viable colleges based on SAT scores

Developed a test simulation tool for the new SAT, featuring score analysis by section and suggestions for areas of improvement

Identified and fixed a particular server bug which had been reoccurring for over two years

## Other Experience

### President, Computer Science Enrichment Club

SPRING '16 – PRESENT

Founded, promoted, led, and oversaw logistics of student-run academic enrichment club

Developed curriculum and taught advanced Computer Science topics including algorithms, runtimes, dynamic programming, graph theory, and data structures to over twenty students

### Computer Science Representative, AMACSS

SPRING '16 – PRESENT

Served as a key liaison between Computer Science Students and Administrative Staff addressing ideas, suggestions, and concerns

Held weekly office hours to address key lecture topics. Organized and hosted several review seminars for midterms and finals for over four hundred Computer Science students

## Projects

### Tiny Dungeon, an multiplayer text-based game

SUMMER '16

Created a text-based adventure game written in C that supported multiple simultaneous users, implemented a chatroom feature, and supported language independence

Learned about TCP/IP, sockets, forked and asynchronous processes

### OneMark, a grade consolidation app

WINTER '14

Interfaced with various APIs to collect and consolidate raw mark data from various websites (Blackboard, Desire to Learn, raw HTML)

Aggregated and analyzed data, creating a timeline of marks to represent mark progression over time and through various evaluations