Brian **Chen**

SOFTWARE ENGINEER · WEB DEVELOPER

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Qualifications

Experienced in software development and implementing efficient algorithms/data structures.
Proficient in C++, Java, and Python through multiple years of decorated competition programming.
Fluent in HTML, CSS, ASP, PHP, SQL, and AJAX through personal and professional experience.
Competent in C, UNIX/Linux, Shell/VBScript, and TCP/IP through personal projects and coursework

Professional Experience

University of Toronto
Toronto, Canada

TEACHING ASSISTANT
Fall 2016 - Present

- Taught CSCA08 (Introduction to Computer Science) to a class of over twenty undergraduate students featuring topics like variables, conditional statements, classes, data structures, functions, recursion, and unit testing in the Python language.
- Provided ongoing student aid in tutorial sessions, office hours, and through the interactive tutorial section of my website.

Ivy Global
Toronto, Canada

SOFTWARE DEVELOPMENT INTERN
Summer 2015

- Led the development of a New SAT test simulation and academic feedback tool by using JavaScript, AJAX, ASP and TSQL
- Used TSQL and ASP on WAMP to build the back-end of Ivy Global's college placement and information sites which dynamically predicts and matches students to viable colleges based on SAT scores and academic standing.
- Identified and fixed a particular server bug which had been reoccurring for over two years.

Relevant Experience

University of Toronto Computer Science Enrichment Club
Toronto, Canada

FOUNDER & PRESIDENT
Dec. 2015 - Present

- Attended, organized, and hosted various Computer Science related events such as Hackathons, Coding Competitions, and Networking Nights for club members
- Taught classes of over twenty university students topics such as: Advanced Data Structures, Search Algorithms, Dynamic Programming, Graph Theory, and Digital Electronics, most of the concepts being taught through the syntax of C++

Association for Mathematical and Computer Science Students
Toronto, Canada

COMPUTER SCIENCE REPRESENTATIVE
Sept. 2015 - Present

- Served as a liaison between Students and Administrative Staff to voice concerns. Advocated for and ultimately achieved revisions to the MATA37 (Intro to Calculus) course curriculum to become more approachable for students.
- Held weekly office hours to address key lecture ideas. Organized and hosted several review seminars for midterms and finals with over four hundred Computer Science students attending.

Education

University of Toronto
Toronto, Canada

B.S. IN COMPUTER SCIENCE
Sep. 2015 - Present

- Maintained a 3.52 / 4.00 cumulative GPA in the Co-op Honors Specialist in Software Engineering Program.
- Recipient of University of Toronto Arts and Sciences Entrance Scholarship for Outstanding Academic Students, worth $1,500.

Honors & Awards

2015	**1st Place**, University of Toronto – Toronto Operations Research Challenge (TORCH)	*Toronto, Canada*
2015	**1st Place**, Marc Garneau - High School Advanced Mathematics Contest	*Toronto, Canada*
2015	**Hn. Mention**, CFL/Ryerson University - SportsHackWeekend Hackathon	*Toronto, Canada*
2014	**1st Place**, TDSB - ECOO Board-wide and Regional Computer Programming Contests	*Toronto, Canada*
2014	**2nd Place**, MaRS Discovery District - EdAppHack STEM Educational Hackathon	*Toronto, Canada*
2014	**All Star**, American Computer Science League - Global Invitationals Finals	*Denver, USA*