

# Simon Zhang

simonkhzhang@gmail.com  
simonkhzhang.me • github.com/skhzhang

Sept 2013 – Apr 2017

## Education

**Queen's University**, Kingston, ON

Bachelor of Computing (Honours) in Computer Science (CSCI-P-BCH)

**Cumulative GPA:** 3.40 / 4.30, Dean's Honour List (2014-2015, 2016-2017)

### Relevant coursework:

- Programming Lang Processors
- Algorithms I, Data Structures
- Software Quality Assurance
- Performance Analysis

### Relevant extracurriculars:

- Queen's Software Developers Club
- Queen's Network Security (NetSec)

## Technical Skills

### Languages, Frameworks, and Libraries

#### Proficient:

HTML, CSS, JavaScript, Java,  
React, NodeJS, jQuery

#### Familiar:

AngularJS 1.X, Django, C, C++,  
MySQL, PHP, Python

### Operating Systems

Windows, MacOS, Linux/UNIX

### Miscellaneous

Git version control,  
Bash shell scripting

## Relevant Experience

**Review Board** (reviewboard.org), remote

Jan 2017 – Apr 2017

Student Developer (UCOSP winter 2017)

- developed features and code fixes using open source practices with a high degree of code quality
- conducted formal code reviews; provided status reports, code drops, & attended weekly meetings
- back-end experience with Python, Django; front-end with JavaScript, LessCSS, Backbone.js
- performed independently while also maintaining constant communication with team members
- strengthened organizational skills by maintaining comprehensive notes and structured workflow

**Queen's University**, Kingston, ON

Teaching Assistant (CISC/CMPE 320 Fundamentals of Software Development)

Sept 2016 – Dec 2016

- mentored and advised student teams, helping them achieve their project team goals
- gained project time management experience from overseeing multiple concurrent project teams
- ensured all 5 project teams stayed on schedule; provided them with constant support & feedback
- marked project team deliverables and C++ assignments for 30+ students

Teaching Assistant (CISC 260 Programming Paradigms)

Jan 2017 – Apr 2017

- exercised code inspection skills by marking Haskell and Prolog assignments for 30+ students
- strengthened proficiency in functional and logical programming

**Kingston Frontenac Public Library**, Kingston, ON

Jan 2016 – Mar 2016

CoderDojo Mentor

- taught children one-on-one about basic coding and programming fundamentals
- simplified programming technicals to easily comprehensible language for children
- practiced flexibility by adapting lesson plans to suit particular student skillsets, needs, & interests

Full work history available at [linkedin.com/in/skhzhang](https://www.linkedin.com/in/skhzhang)

## Selected Projects

**Hearthstone Randomness Probability Calculator** – on-going

Dec 2016 – present

- React web app allowing easy probability calculations of random elements in card game
- full-stack project – from JSON API calls to data manipulation to website design
- self-taught independent work developed in personal spare-time

**Visual iTunes** ([simonkhzhang.me/projects/visual-itunes.php](https://simonkhzhang.me/projects/visual-itunes.php))

Feb 2016

- developed in 24 hour timespan at McGill University McHacks 2016 hackathon
- JavaScript application parsing user iTunes library XML data to create statistics and visualizations

**Queen's Chess Club** ([queensuchess.com](https://queensuchess.com))

Oct 2015

- PHP website built using accumulated skillset, self-teaching new skills where necessary
- worked with client to develop & design website tailored to their needs
- website designed mobile-first; includes use of Google Maps Embed API and Flexslider jQuery plugin

Full project list and more details available at [simonkhzhang.me](https://simonkhzhang.me) and [github.com/skhzhang](https://github.com/skhzhang)