

# jeffreyyxiao

software engineer

## education

Sep 2010 - Jun 2016 **High School** University of Toronto Schools

## experience

- Nov 2015 - Current **Ivy Global** Toronto, Ontario  
*Web Developer*  
Developed a web application that displays SAT scores and statistics for mock exams in real time. Used ASP, VBScript, and SQL.
- Aug 2014 **H.H. Angus and Associates** North York, Ontario  
*Intern*  
Researched floor and room designs for Centre Hospitalier de l'Universite de Montreal. Used CADD software to design an architectural model. Reported any discrepancies between 3D model and client specifications.
- Sep 2014 - Current **Creativity Through Arts** Markham, Ontario  
*Operations Executive*  
Responsible for the logistics and sponsorships behind events. Taught a web development course for high schoolers ([creativitythrougharts.com/ctc](http://creativitythrougharts.com/ctc)). Currently managing website and blog.
- Sep 2013 - Current **UTS Programming Club** Toronto, Ontario  
*President*  
Created information sheets and lectures on various topics in discrete mathematics. Coached ECOO teams. Cohosted a contest: [dmoj.ca/contest/utsopen15](http://dmoj.ca/contest/utsopen15)

## projects

- Feb 2016 **Snatch N' Go** MHacks: Refactor  
[devpost.com/software/snatchngo](http://devpost.com/software/snatchngo)  
Android app for customers and web app for restaurant managers to facilitate easy payment and order of meals from local food providers. Built with the FEAN stack and Twilio.
- Jan 2016 **SwagMusic.js** Hack UofT  
[github.com/xelendt/swagmusic.js](http://github.com/xelendt/swagmusic.js)  
3D model that dances to music. Built with WebGL and Web Audio API.
- Nov 2015 **In The Loop** Hack Western  
[devpost.com/software/in-the-loop-real-time-news-aggregating-web-app](http://devpost.com/software/in-the-loop-real-time-news-aggregating-web-app)  
AngularJS application and Python backend that aggregates current news information based on keywords in live time. Built with Firebase.
- Aug 2015 **Resistora** Tech Retreat  
[devpost.com/software/resistora](http://devpost.com/software/resistora)  
Android application that determines the resistance of various resistors using the camera and a custom image analysis algorithm.

## contact

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## skills

C++, Java, Python, HTML, CSS  
PHP, Javascript, jQuery, ASP, Node  
Angular, Meteor, SQL, R, MATLAB  
Octave, LaTeX, Machine Learning,  
Data Structures, Algorithms

## certifications

Certified Java SE 6 Programmer  
Introduction to Logic by *Princeton*  
Algorithms I & II by *Princeton*  
Introduction to Python by *MIT & HMC*  
Algorithms I & II by *Stanford*  
Machine Learning by *Stanford*  
R Programming by *Microsoft & JHU*

## programs

2015 Shad Valley  
2015 Waterloo Unlimited

## awards

2015 Silver Medalist in Canadian Computing Olympiad  
2015 Platinum Division in USA Computing Olympiad  
2015 Duke of Edinburg Gold Standard  
2014 Chris Shaw Award in Computer Science  
2013 Michael Pincus Award in Mathematics