jeffrey**xiao**
software engineer

contact

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skills

C++, Java, Python, HTML
CSS, PHP, Javascript, jQuery
ASP, 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

Shad Valley	*2015*
Waterloo Unlimited	*2015*

awards

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

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 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*). 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. Cohosted a contest: *dmoj.ca/contest/utsopen15*

projects

Jan 2016 **SwagMusic.js** *Hack UofT*
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*
github.com/jeffrey-xiao/in-the-loop
AngularJS application and Python backend that aggregates current news information based on keywords in live time.

Sep 2015 **WhizBridge** *Hack the North*
github.com/jeffrey-xiao/WhizBridge
Web and iOS application that provides a buyer-oriented marketplace for tech support. Built with PHP and Swift.

Aug 2015 **Resistora** *Tech Retreat*
github.com/iburinoc/resistora
Android application that determines the resistance of various resistors using the camera and a custom image analysis algorithm.