



Nathan Jiang

Programmer, Web Developer

My name is Nathan Jiang and I'm currently a first-year student at the University of Waterloo.

Since I started writing code in tenth grade, I've explored numerous domains of programming. Web development, Android development, game design, machine learning, competitive coding – I've done it all; however, regardless of what I am doing, one fact remains the same: I enjoy taking complex problems and, through the logic and structure of coding, writing elegant and efficient solutions.

I'm open to job, volunteer, or collaboration opportunities so feel free to contact me.



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nathanjiangcs.github.io

EDUCATION

- 2016-21 **University of Waterloo**
Bachelors of Software Engineering, Co-op (Expected)
- 2012-16 **Glenforest Secondary School**
International Baccalaureate Diploma Programme
Recipient of the Merit Leadership Award

PROJECTS

LibEstimate

A locational information system made for libraries using Estimote Beacons. It wirelessly connects to nearby beacons and provides users context-based guidance

Java, Android Studio, Estimote

Project Twice

A multidimensional web scraping bot that is able to sort collected photos based on facial feature matching. Designed around Twice, but can be adapted for any set of individuals.

Python, BeautifulSoup, OpenCV, SciPy, FaceRec

Myusicality

Real-time, gesture-controlled music editor created using Myo technology. Allows users to split a song into multiple frequency bands and mix the track via hand motions.

Python, C++, Pyo, Tkinter, Myo

nathanjiangcs.github.io

Personal website hosted via github's repository.

HTML/CSS, Javascript, Bootstrap

EXPERIENCES

Jan 2015 – Feb 2016

Passmore Badminton Club

Badminton Coach

Volunteer coach at the club's Mississauga location. Created team training lessons to teach young students about the fundamentals of badminton and good sportsmanship.

May 2013 – Dec 2014

Bubble Republic Tea House

Senior Barista

Responsibilities included waiting tables and making drinks. Often worked alongside the managerial staff to assist in the training and supervision of junior baristas

SKILLS

Python



C/C++



HTML/CSS



Javascript



ACHIEVEMENTS

DECA ICDC

2nd place overall in the Personal Financing Event at the DECA International Career Development Conference 2014.

ECOO Programming Competition

ECOO Peel Regional Champions and ranked within the top 10 teams at the ECOO Provincial finals.

Canadian Computing Contest

Placed within the 95th percentile of contestants in the Senior Computing Contest.

Waterloo TechRetreat

Winner of the Best Muse Hack award and finished 4th overall.