

## Education



**New York University**

GPA 3.7

September 2014—May 2018 (expected)

**B.A. Computer Science**

**Coursework(topics/language used):**

Intro to Computer Programing (python)	Intro to Comp Sci (Java)	Data Structure (Java)
Computer System Organization (C, Assembly)	Basic Algorithms	Intro to Web Design (HTML, CSS)
Operating System	Database Design(SQL)	AIT (NodeJS, MongoDB)
Parallel Computing (MPI, OMP, CUDA)	Web Development(Jquery, PHP)	

## Work Experience



**Thinking Caps Group**

May 2015 - May 2017

**Math Tutor**

Thinking Caps Group matches me with students. TCG also provides training and seminars for tutors. I prepare materials for lessons, assign homework, and makes sure students have a solid understanding of materials. I teach SAT prep, ISEE prep, middle school and high school math and sciences.



**Photoshelter**

June 2017 - Sept 2017

**QA Intern**

Photoshelter is a Digital Asset Managment startup. As a QA intern my main focus was test automation, but also performed manual testing when required. When I joined the team, there was no automated tests in place and I got to learn about the process from the very beginning.

## Skills

**Languages:**

**Familiar With:** C Python Swift  
**Flunt In:** Java JavaScript

**Technologies:**

**Familiar With:** React Native NodeJS  
**Flunt In:** Front-end Web Dev

## Projects



**MMA Person Trainer (Website)**

A website for student to sign up for personal mixed martial arts lessons or training sessions. Full stack development. Back-end current handle user authentication. Contents for *Students* section are still in progress.

URL: [williamtsao.com/projects/jonBoy](http://williamtsao.com/projects/jonBoy)



**Python Web Scraper**

Scrapes the Edgar database of U.S. Securities and Exchange Commission for insider trading information. This program uses joblib library to parallelize the scraping to increase performance. It outputs a CSV file with information from latest insider trading filed.

URL: <https://github.com/WilliamTsao/Python-Web-Scraper>



**Albums App (React Native)**

This is a basic app built with React Native displaying some albums and a button that takes the user to that product on Amazon.com. This was a practice to get familiar with React Native.

URL: <https://github.com/WilliamTsao/Albums>