

# William Tsao

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📄 [github.com/williamtsao](https://github.com/williamtsao)

## Education



**New York University**

GPA 3.787

September 2014—May 2018

**B.A. Computer Science**

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

Data Structure (Java)	Computer System Organization (C, Assembly)	Basic Algorithms
Operating System	Web Development(JS, PHP)	Database Design(SQL)
Parallel Computing (MPI, OpenMP, CUDA)	Applied Internet Technology(Node, Mongo)	Computer Network
Programing and Data Science(Flask, mySQL)	Large Scale Webapp(Django, mySQL)	Social Network

**Current Courses:**

Intro to Computer Security

## Work Experience



**Thinking Caps Group**

May 2015 - May 2017

**Math Tutor**

Tutoring for SAT, ISEE, middle high school math and sciences.



**Photoshelter**

June 2017 - Sept 2017 & Jan 2018

**Intern Developer**

From June to September I worked on automated UI testing with WebdriverIO + Sauce Labs(for virtual enviroments).  
During January I will work on Continuous Integration with TravisCI.

## Skills

**Languages:**

<b>Familiar With:</b>	C	Java
<b>Flunt In:</b>	Python	JavaScript

**Technologies:**

<b>Familiar With:</b>	Node.js	Flask
<b>Flunt In:</b>	Django	WebdriverIO

## Projects

**Automated UI Testing**

This is a project I worked on for Photoshelter, a Digital Asset Management service. Using WebdriverIO with SauceLabs integration to provide automated UI testing.

github: <https://github.com/WilliamTsao/ps-wdio-project>

**WhatNow (Node.js Webapp)**

Basic Quora-like webapp built on Node.js and mongoDB. Deployed on Heroku. Debugging in progress.

URL: <https://infinite-atoll-99335.herokuapp.com/>

github: <https://github.com/WilliamTsao/WhatNow>

**StreeTunes (Django Webapp)**

This webapp allows street musicians to distribute and sell their music with a simple QR code scan. Project largely focused on scalability with DB sharding. Deployed on EC2 with 3 docker containers running mySQL simulating 3 separate shards.

URL: <https://streeTunes.williamtsao.com/streeTunes/scan/>

github: <https://github.com/WilliamTsao/LSWA-Project>