

# Ivan Lin

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1675 68th St, Brooklyn NY 11204

## Education

### **Stony Brook University**

Stony Brook, New York

MS Computer Science

May 2021

BS Computer Science, Applied Mathematics and Statistics · GPA: 3.87

May 2020

### **Pohang University of Science and Technology (Study Abroad)**

Pohang, South Korea | Spring 2019

### **Stuyvesant High School** · GPA: 94.68

New York, New York | May 2016

## Experience

### **Sweetist Co** | New York, NY

#### **Full Stack Software Developer Intern**

June 2017 – August 2017

- Created a system for querying, comparing, and displaying large blocks of shipment data
- Collaborated with the marketing team to enact website design changes in HTML and CSS
- Wrote unit tests, fixed bugs, and implemented features using Javascript and Ruby on Rails
- Developed a delivery tracking application that communicated with the online store

### **Network for Teaching Entrepreneurship** | New York, NY

#### **Engineering Mentor**

July 2016 – August 2016

- Mentored students in programming and mobile application development

#### **Software Engineer**

July 2015 – August 2015

- Lead development of a mobile Android application using HTML, CSS, and Javascript with Apache Cordova

## Activities

### **Stony Brook University** | Stony Brook, NY

#### **Student Researcher**

May 2018 – August 2018, July 2019 – Present

- Modified Firefox's DNS-over-HTTPS and DNS-over-TLS by distributing lookup load between multiple trusted resolvers

#### **Teaching Assistant: Computer Networks**

August 2018 – December 2018

### **Stony Brook Solar Racing Team** | Stony Brook, NY

Vice President (2018 - Present) · Datalogging Lead (2017 - 2018) · Secretary (2017 - 2018)

## Projects

### **DirectWriter** | C

[github.com/ivlin/DirectWriter](https://github.com/ivlin/DirectWriter)

Tool for quickly editing filenames in Linux. Displays a directory as an editable text file in-terminal and any name changes will be reflected in the real directory structure.

### **GraphIt** | Java

[github.com/ivlin/GraphIt](https://github.com/ivlin/GraphIt)

An interactive graphing utility that allows a user to click on a graph and its nodes to add, remove, or move points. The graph respond by graphically visualizing statistical measures about the dataset.

### **MealzTM** | [mealz-tm.herokuapp.com](https://mealz-tm.herokuapp.com) | Web, Javascript, Python

[github.com/ivlin/MealzTM](https://github.com/ivlin/MealzTM)

Website for groups of people to track payments and divide bills between themselves.

### **FrameFinder** | [framefinder.herokuapp.com](https://framefinder.herokuapp.com) | Web, Javascript, Python

[github.com/ivlin/FrameFinder](https://github.com/ivlin/FrameFinder)

Find a specific frame in a Youtube video by drawing it. Post a picture a drawing of a scene and FrameFinder will go through a Youtube video looking for similar looking frames.

## Skills and Coursework

**Proficient with:** HTML, CSS, Java, JavaScript, C, Ruby on Rails, Python, SQL

**Prior experience with:** Tensorflow, Mongo, Node, OCaml

**Coursework:** Graphics, Algorithms, Networks, Programming Languages, Machine Learning, Operating Systems, Security, Computational Geometry, Theory of Computation, Software Development