

# Ivan Lin

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1675 68th St, Brooklyn NY 11204

## Education

### **Stony Brook University**

Stony Brook, New York | May 2020

BS COMPUTER SCIENCE, APPLIED MATHEMATICS AND STATISTICS

Honors College, Computer Science Honors

GPA: 3.87

### **Pohang University of Science and Technology (study abroad)**

Pohang, South Korea | Spring 2019

### **Stuyvesant High School**

New York, New York | May 2016

GPA: 94.68

## 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, January 2019 - Present

- Reported on the capabilities and limitations of osquery
- Compared the ability of semisupervised generative adversarial networks with Tensorflow and matplotlib

#### **TEACHING ASSISTANT: COMPUTER NETWORKS**

August 2018 – December 2018

- Designed, wrote, and graded programming assignments based on class material
- Answered network and programming questions, hosted office hours, and taught Python tutorial classes

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

#### **DATA ACQUISITION LEAD**

September 2017 - December 2018

- Developed an Arduino sensor, datalogging, and display system for motor rotation, speed, and location

**VICE PRESIDENT (AUGUST 2018 - DECEMBER 2018) · SECRETARY (AUGUST 2017 - MAY 2018)**

## Projects

### **DirectWriter** | C

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

Tool for quickly editing filenames in Linux. Displays a file tree 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.

### **C.R.E.A.M. Server** | C

[github.com/ivlin/CREAM\\_Server](https://github.com/ivlin/CREAM_Server)

Low-level implementation of a multi-threaded server that stores and caches key-value pairs

### **GAN Testing** | PYTHON

[github.com/ivlin/GAN\\_test](https://github.com/ivlin/GAN_test)

A playground for testing with generative adversarial networks using tensorflow, including car image generation and comparisons between semisupervised discriminators and supervised classifiers.

## Skills and Coursework

	Experienced	Comfortable
DESIGN	HTML, CSS	L <sup>A</sup> T <sub>E</sub> X
TECHNICAL	Java, JavaScript, C, Ruby on Rails, Python, Linux, OCaml	SQL, Mongo, Tensorflow
COURSEWORK:	Algorithms, Networks, Languages, Machine Learning, Operating Systems, Security	