

Ivan Lin

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Education

Stony Brook University

MS Computer Science

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

Stony Brook, New York

May 2021

May 2020

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) · 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 to distribute lookup load between multiple resolvers
- Developed the presentation and presented the research at conference
- Hoang, P. H., & Lin I. & Ghavamnia S., & Polychronakis, M., 2020, 'K-resolver: Towards Decentralizing Encrypted DNS Resolution', Paper presented at NDSS MADWeb, San Diego

Teaching Assistant: Computer Networks

August 2018 – December 2018

Stony Brook Solar Racing Team | Stony Brook, NY

Vice President (2018 - Present) · Datalogging Lead (2017 - 2020) · Secretary (2017 - 2018)

- Developed a telemetry system that consolidated onboard sensor information to a Raspberry Pi
- Oversaw the development of a web application to display the data on the boat's dashboard

Projects

DirectWriter | C

github.com/ivlin/DirectWriter

Allows for quick renaming of a large amount of files. Displays a directory as editable text in-terminal so that changes to filenames will be reflected in the real directory structure.

LangAnnotator | Web, Javascript, React.js

ivlin.github.io/LangAnnotator

Tool for writing and annotating notes, aimed at those learning a foreign language.

MealzTM | Web, Javascript, Python, Postgres

mealz-tm.herokuapp.com

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

FrameFinder | Web, Javascript, Python

framefinder.herokuapp.com

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, PostgreSQL

Prior experience with: Tensorflow, MongoDB, NodeJS, ReactJS, OCaml, C++

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