

# Danny Lin

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github: dannylin

## Education

### New York University

Expected May 2019

Bachelor of Science in Computer Science | Cumulative GPA: 3.35/4.0 | Major GPA: 3.7/4.0

## Experience

### NYU Computer Science and Engineering

Aug 2018 - Present

Undergraduate Teaching Assistant

- Reinforcing lecture material for Introduction to Databases for over 130 students during optional recitations
- Assisting students with assignments during office hours and grading the weekly assignments

### Goldman Sachs

May 2018 – Aug 2018

Summer Technology Analyst

- Trained a classifier to recommend tags for any given research article to improve content discovery
- Deployed classifier and integrated it with existing application to automate article post-publication retagging
- Utilized Named Entity Recognition and fuzzy matching to extract tags from research articles

### Combr

Dec 2016 – May 2018

Software Engineer

- Performed full service migration of the existing iOS app including outsourced dependencies to Swift 3
- Refactored the mobile iOS codebase resulting in a 60% improvement of the app's home screen loading time
- Integrated core analytics to understand customer in-app behavior and increase customer retention rate

### IBM

May 2017 – Aug 2017

Software Engineer Intern

- Created and maintained new backend features on the Stripe monetization platform using Java
- Implemented a feature using AngularJS and NodeJS to support 10 currency formats according to locale
- Designed the infrastructure for the automated functional verification tests and developed multiple test suites

### SpareMin

June 2016 – Apr 2017

iOS Engineer Intern

- Utilized XCode instruments to debug and optimize the load time of the app's home feed by over 200%
- Developed and tested new mobile frontend features using Swift to be deployed on all iOS devices
- Identified and resolved feature bugs found in-production and in-staging on the iOS platform

## Projects

### Clothy (HackNYU 2018 Finalist)

- Architected and implemented a clothing donation app with a reward system to incentivize people to donate
- Stored data on a MariaDB instance and exposed the database by implementing a RESTful API with Flask

### BachChain

- Developed a full-stack multimedia content sharing app using smart contracts to pay artists and their labels
- Created API endpoints to use IBM Blockchain and Capital One's Nessie to show transactions and send funds

### OpenPantry

- Created an iOS recipe searching app that emphasizes user-experience using Swift with MVC architecture
- Implemented visual recognition to allow users to take an image of a food to get recipes that use it

### Course Grabber

- Developed a Flask app to notify Rutgers students by e-mail/text when their desired courses are available
- Scheduled a cron-job to make HTTP requests to the Rutgers API to check the statuses of courses requested

## Technical Skills

**Languages:** Python, C++, Swift, JavaScript, Java, SQL

**Data Science & Visualization:** Scikit-learn, D3.js, Pandas, Matplotlib, Numpy, Tableau

**Other:** Git, RESTful APIs, Unit Testing, Web Scraping, Agile, Unix, Blockchain