

# Raymond Luo

SOFTWARE ENGINEER

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## Education

### New York University

B.A. IN COMPUTER SCIENCE AND MEDIA STUDIES

New York, NY  
Sep. 2019 - May. 2023

- 3.92 GPA - Dean's List
- Coursework: Basic Algorithms, Data Structures, Computer Systems Organization, Client-side Internet Technologies, Critical Approaches to Information Visualization, Computer Graphics, Social Networks, Probability & Statistics

## Experience

### Spectrum Labs

SOFTWARE ENGINEER INTERN

San Francisco, CA  
Jan. 2022 - Present

- Full-stack development on Guardian

### Facebook

SOFTWARE ENGINEER INTERN

Menlo Park, CA  
Jun. 2021 - Aug. 2021

- Full-stack development of internal analysis tool on Cloud Gaming Infra team
- Tuned parameterization for scripts involving computer vision and data analysis

### NYU Courant Institute of Mathematical Sciences

DATA STRUCTURES TUTOR

New York, NY  
Sep. 2020 - Jan. 2021

- Tutored students 10 hours/week in Data Structures (Java), assist with homework & test preparation

### Social27 Inc.

DATA & AI INTERN

Redmond, WA  
May 2020 - Aug. 2020

- Implemented latent feature matrix factorization ML model to address data sparsity in recommender system
- Revamped client data reports by writing Python script to scrape, clean, and visualize livestream metrics
- Owned coordination between three companies to produce 3000+ attendee virtual event as PM+CSM

### Floop Edu

UX RESEARCH/CONSULTING INTERN

Seattle, WA  
Dec. 2019 - Feb. 2020

- Conducted UX research vital to 2020 launch, resulting in acquisition of 8500 (+231%) users in a quarter

## Projects

### Flower Shop: A Discord Ticketing Bot

PYTHON

/erhuve/flowershop  
Feb. 2022

- Created a Discord bot with friendly interface and UX for users to open tickets to speak with moderators
- Deployed bot to Heroku to run 24/7 with worker dyno

### Mustard: Find the right college for you

PYTHON, FLASK, SELENIUM, HTML, CSS, JAVASCRIPT, FIREBASE

mustard-colleges.herokuapp.com  
Aug. 2020

- Created algorithm to give personalized college recommendations to users based on several parameters
- Wrote script to scrape and clean college data metrics which was then stored in Google Firebase
- Designed and deployed web app with Flask back-end to Heroku

### Memorandum Maker: RNN Text Generation

PYTHON, TENSORFLOW, FLASK, HTML, CSS, JAVASCRIPT

/erhuve/memorandum-maker  
Jun. 2020

- Defined and trained Recurrent Neural Network on e-mails to generate completely new e-mail text
- Deployed model into web app, handling GET and POST requests with Flask

## Skills

Languages	Python, Java, C, Hack/PHP, Scala, SQL, Solidity
Frameworks	Flask, TensorFlow, Selenium, Nuxt
Front-end	HTML, CSS, JavaScript, TypeScript, React, Vue
Tools	git, mercurial, bash, Emacs