

Raymond Luo

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EDUCATION

New York University

New York, NY

BA in Computer Science & Media Studies, Minor in Mathematics; Magna Cum Laude (3.92) Sep. 2019 – May 2023

EXPERIENCE

Culmination Bio

Aug. 2023 – Present

Full Stack Software Engineer

Remote, NJ

- Discovering Better Health!

Spectrum Labs

Jan. 2023 – May 2023

Part-time Software Engineer Intern, Guardian Moderation Queue

Remote, NY

- Implemented **e2e testing** with **Playwright**, saving minutes on manual testing, and integrated it into **CircleCI** for **CI/CD** with **TypeScript**, **Docker**
- Integrated with **B2B** software for tracking usage analytics, along with feature flags using **TypeScript**

Meta (Facebook)

May 2022 – Aug. 2022

Software Engineer Intern, Dating Ranking ENG

New York, NY

- Designed and implemented new candidate retrieval funnel for scalability, **reduced latency by 35%**, using **Hack**
- Enabled match quality improvements and experimentation opportunities by injecting new features into ranking with **Hack** and **C++**

Spectrum Labs

Jan. 2022 – May 2022

Software Engineer Intern, Guardian Moderation Queue

Remote, NY

- Implemented role-based access control handled in **TypeScript** and **Vue** frontend and **Scala** backend with **gRPC**
- Improved internal efficiency and scalability by developing two features which **reduced turn-around-time by 98% (10 minutes → 10 seconds)**
- Implemented quality-of-life features which **saved users 10 minutes** per moderation session

Facebook

June 2021 – Aug. 2021

Software Engineer Intern, Cloud Gaming Infra

Remote, NY

- Created video-based analysis tool which **drove engagement up 10%** in third party developer's game, using **Hack**, **JavaScript**, and **React**
- Optimized clustering algorithm to avoid memory issues and **process 12x the volume of data**
- Experimented on computer vision script to **increase sample size of datasets by 20%**

NYU Courant Institute of Mathematical Sciences

Sep. 2020 – Jan. 2021

Data Structures Tutor

Remote, NY

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

Social27 Inc.

May 2020 – Aug. 2020

Data & AI Intern

Remote, WA

- Implemented latent feature matrix factorization model to address sparsity in recommender system with **LightFM**
- Created 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

PROJECTS

Doggle: A Wasm Game | *Rust, Wasm, HTML, CSS, JavaScript*

June 2022

- Created Wordle-style dog-themed browser game with images and dynamic word lengths

Flower Shop: A Discord Ticketing Bot | *Python*

February 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 for 5k+ member NYU Discord

TECHNICAL SKILLS

Languages: Python, Scala, Rust, Java, Hack/PHP, C, SQL

Frameworks: Flask, TensorFlow, Selenium, Nuxt

Frontend: HTML, CSS, JavaScript, TypeScript, React, Vue

Developer Tools: git, mercurial, bash, Docker, CircleCI, L^AT_EX