

Irena Gao

Software Engineer implementing solutions for Social Impact. Let's chat :)

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Education

Cornell University

Major GPA: 3.7

B.S. IN INFORMATION SCIENCE, MINORS IN STATISTICS AND BUSINESS

Aug. 2017 - May 2021

- **Relevant Coursework:** Computing Using Python · Object Oriented Programming and Data Structures · Data-Driven Web Applications (d3.js) · Intermediate Web Design & Programming · Trends in Web Development · Intro to Data Science · Human-Computer Interaction Design · Categorical Data · Financial Accounting
- **Awards:** Odyssey of the Mind World Finals 3rd Place

Professional Experience

Dynalec Corp

Sodus, NY

SWE INTERN

July 2019 - Aug. 2019

- Built a program to help managers organize a database of training courses **150+ employees** have taken in a navy-radio manufacturing company, leading to a ~20% reduction in work accidents/increase in following protocol
- Prevented company software from becoming obsolete by migrating software from Visual FoxPro to create the company's **first ever modern full-stack program**
- Used backend Python Flask routes to fetch or adjust training course data from MySQL database and render on frontend HTML templates, depending on if managers wanted to login, view employee data, or change course information

Cuseum (Techstars '15)

Boston, MA

SWE INTERN

May 2020 - Present

- Completed a web app allowing **100+ users** to purchase museum tickets or membership by voice, with most users commenting this contactless feature would encourage them to virtually view museum products
- Built voice recognition capability using Google's Dialogflow API to parse voice commands, analyze input through Machine Learning models, and thus present payment options with Vue.js

Diya Health

Los Angeles, CA

SWE INTERN

April 2020 - Present

- Improved landing page content using Jade/Javascript with a modern "telehealth" feel, marketing to private physicians and families the importance of doctor-patient communication during quarantine
- Initiated cross-functional communication among business and design teams, ensuring that older patients could navigate site and understand content
- Earned **hundreds of dollars** in funding and **committed partnerships** with physicians dedicated to remote communication during quarantine

Leadership

AguaClara

Ithaca, NY

WEBSITE LEAD

Sept. 2018 - Present

- Improved website design and added images/explanations about Honduran water plants using HTML/CSS and Javascript, allowing **hundreds of stakeholders** to understand the importance and extent of clean water we bring to Honduran communities
- Created descriptive python math tutorials for 10+ research subteams, answering questions and problem-solving IT issues with their water filtration techniques

Life Changing Labs

Ithaca, NY

PROGRAM MANAGER

Oct. 2019 - Present

- Launched the **first ever virtual university incubator**, offering entrepreneurial resources and hundreds of dollars in funding to 8 selected out of 20 startups
- Instructed daily classes on web development to 11 high school students to spark their interest in entrepreneurship and build the MVP
- Coordinated mentorship between 10+ successful entrepreneurs and early-stage founders
- Led workshops with **30+ incubator participants** on pitching to investors and advice from well-established entrepreneurial speakers

Skills

Languages/Tools HTML/CSS · JavaScript · Python · Java · PHP · Git · R · Adobe Photoshop/Illustrator

Frameworks/Database ReactJS · Flask · NodeJS · VueJS · MySQL · SQLite