

# Cora Wu

☎ 818-245-2234 | ✉ cju322@cornell.edu | 🌐 www.corawu22.com | 📱 cju322

## Education

### Cornell University

2018-2022

- GPA: 3.886
- Coursework: Object-Oriented Programming & Data Structures, Data-Driven Web Applications, Design & Programming for the Web, Human-Computer Interaction Design, iOS App Development, Foundations of Artificial Intelligence, Language & Information, Text Mining, Functional Programming, Discrete Structures, Linear Algebra

## Experience

### Incoming Software Engineering Intern @ Tesla

Fall 2021

- Selected as an incoming Software Engineering Intern on Tesla's Software Quality Assurance team for the fall semester

### Data Engineering Intern @ Amazon

Summer 2021

- Constructed a data pipeline to process data on request tickets for Amazon's Global Specialty Fulfillment teams, then generated a dashboard presenting those ticket insights
- Coded an AWS Lambda application in Python to collect and clean ticket data from an internal API and store the data in S3 buckets
- Worked simultaneously on a second exploratory data analysis project to improve warehouse development timelines

### Software Development Intern @ Capital One

Summer 2020

- Explored methods to improve query results from the search bar on the Capital One homepage
- Researched and compared open source web crawlers and search softwares, optimized a full crawl of the Capital One website, and deployed the crawler-search software integration in AWS

### Backend Development Lead @ Ithaqueue

2020

- Led a backend team for a web app designed to make virtual office hours at Cornell manageable by tracking waitlists for classes
- Developed the backend in Flask, designed the database structure & generated the database with SQLAlchemy, and implemented queries with GraphQL

### Web Development Lead @ Fairmandering

2020

- Led the development of nonpartisan organization Fairmandering's website using HTML, CSS, and JavaScript (fairmandering.org)

### iOS Developer @ Cornell AppDev Hack Challenge

2018

- Developed an iOS app with a team of 4 members to connect student freelancers with students requesting their services
- Worked with a backend developer and a designer to code an ideal interface in Swift within a 1-month time frame

## Extracurriculars

### Intelligent Systems Team Lead @ Cornell Data Science

2018-2021

- Worked with a team of 6 to develop an iOS app with a custom seedlings classifier
- Conducted research with a teammate under Stanford professor David Scheinker to find and predict trends in county health data using machine learning techniques (e.g. linear regression, random forests) in Python
- Selected as a team lead and organized project standups, coordinated bi-weekly research paper reading groups, and presided over new member recruitment and onboarding

### Teaching Assistant @ Cornell Department of Computer Science

2019-2021

- Served as a TA for CS 1110: Introduction to Computing with Python, then CS 3300: Data-Driven Web Applications
- Held office hours, offered mentorship via one-on-one tutoring sessions, and graded exams & assignments

### Sponsorship Coordinator @ BigRed//Hacks

2018-Present

- Raising sponsorships for Cornell University's largest and entirely student-run hackathon, BigRed//Hacks
- Individually reached out to over 50 company representatives and raised \$10,500

### Outreach Volunteer @ Women in Computing at Cornell

2018-2019

- Volunteered as a mentor for workshops teaching basic coding concepts to students from local elementary, middle, and high schools

## Programming Languages

Python



JavaScript



SQL



Java



HTML & CSS



PHP

