

# Cora Wu

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## 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 Retrieval, Text Mining, Functional Programming, Discrete Structures, Linear Algebra

## Experience

### Software Engineering Intern @ Tesla - Software Quality Assurance Team

Fall 2021

- Automating a daily test suite of approximately 200 tests for the newest vehicle model's UI
- Writing Ruby tests & configuring associated yaml files to reflect updated automation, triggering tests in Jenkins & evaluating the resulting output, and detecting bugs & flagging them via JIRA tickets

### Data Engineering Intern @ Amazon - GSF Launch and Expansion Team

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

### Software Development Intern @ Capital One - SITE Team

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

## Extracurriculars

### Intelligent Systems Team Mentor @ Cornell Data Science

2018-Present

- 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 served for 2 semesters by organizing project standups for 20+ team members, coordinating bi-weekly research paper reading groups, and presiding over new member recruitment and onboarding

### Hackathon Organizer @ 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 each year and raised over \$15,000

### 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, presented live coding demos with Python or JavaScript and d3.js, and graded exams & assignments

### Head of Web Development @ Fairmandering ([link](#))

Fall 2020

- Led the development of nonpartisan organization Fairmandering's website using HTML, CSS, and JavaScript

### 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

## Projects

### Software Developer & Web Developer @ ClubHub ([link](#))

Spring 2021

- Developed a web app with a custom information retrieval system to recommend movies based on the user's clubs at Cornell
- Constructed frontend components in React, utilized cosine similarity to rank the similarities of vectors representing movie summaries and club missions, and created a k nearest neighbors model to find similar clubs and thereby provide additional movie suggestions

### Backend Development Lead @ Ithaqueue

Summer 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 & generated it with SQLAlchemy, and implemented queries with GraphQL

### iOS Developer @ Cornell AppDev Hack Challenge

Winter 2018

- Developed an iOS app with a team of 4 members to connect student freelancers with students requesting their services

## Skills

**Languages** Python, JavaScript, Java, HTML/CSS, Ruby, SQL, PHP, OCaml, Swift

**Frameworks/Tech** Git/GitHub, Pandas, Scikit-learn, Anaconda, NumPy, AWS (Lambda, EC2, S3... etc), Flask, React, SQLAlchemy