

# Cindy Hou

New York, NY | (718) 200-5947 | ch685@cornell.edu | h-cindy.github.io | linkedin.com/in/cindy-hou685/

---

## EDUCATION

### Cornell University, Ithaca, NY

Bachelor of Science in Biometry and Statistics, Information Science

Minor in Computer Science

*Expected Graduation: Spring 2024*

GPA: 4.03

### Trinity School, New York, NY

*September 2016 - May 2020*

---

## PROFESSIONAL EXPERIENCE

### Cornell Lab of Ornithology, Data Analyst

*September 2021 – Present*

- Examine visualizations of audio recordings to mark elephant rumbles and gunshots
- Aid creation of automatic audio detection program

### India China Institute, The New School, Intern

*July 2021 – August 2021*

- Used data on email and social media posting performance to inform design, increasing interaction by 8%
- Edited site layout, implemented interactive sliders, updated employee information
- Designed email campaigns, social media posts, and posters for upcoming events

### The Ivy Review, Tutor

*September 2020 – Present*

- Assembled lesson plans and material to significantly improve student scores
- Covered topics including Python, statistics, and SAT teaching classes of 15+ students and private sessions

### Queens STEM Girls, Communications Intern

*July 2018 – August 2019*

- Litigated with event staff to coordinate details to organize conferences with over 100 attendees
  - Answered calls and took down messages, maintaining a record of incoming information on spreadsheets
- 

## PROJECTS

### The Best Bus

*Ongoing*

Web scraper to automatically determine the best prices for bus route itineraries on OurBus with flexible dates

### Titanic Survival [github.com/H-Cindy/Titanic-Survival](https://github.com/H-Cindy/Titanic-Survival)

*2021*

Predictive model to determine a given passenger's survivability on the Titanic using simple machine learning algorithms on a Kaggle dataset via R

### Environmental Impact of Foods [github.com/H-Cindy/foods-impact](https://github.com/H-Cindy/foods-impact)

*2021*

An interactive visual essay and website built from scratch using HTML, CSS, and JavaScript to showcase visualizations of data on the impacts of different foods using Tableau and Adobe Illustrator

### Independent Biology Research Project, Trinity School

*2019 – 2020*

Ran assays and recorded data on toxicity and altered enzyme activity in flatworms due to the pesticide chlorpyrifos

---

## LEADERSHIP

**Nature Society**, Cornell, *Vice President*

**Residential Sustainability Leaders**, Cornell, *Communication Lead*

**Big Red Clinic**, Cornell, *Treasurer*

---

## SKILLS AND AWARDS

- *Programming Languages*: Python, R, HTML, CSS, JavaScript
- *Software*: Microsoft Office Specialist, Tableau, Adobe Photoshop
- *Other*: Data visualization, Mandarin (speaking)
- *Awards*: 1<sup>st</sup> Place in NYU InnoVention Prototyping and Entrepreneurship Competition (2018), Scholastic National Gold Medal for Digital Art (2019), High School Department Award for Excellence in Science (2020), Gruneau Prize for Excellence in Research Biology (2020), Dean's List Fall '20 & Spring '21