

CHARLOTTE LI

Email: li.zihao@columbia.edu || Phone: (929)256-8243

EDUCATION

COLUMBIA UNIVERSITY, COLUMBIA COLLEGE, NEW YORK CITY

Bachelor of Science in Computer Science-Mathematics and Linguistics

Coursework: Data Structures in Java, Advanced Programming in C, Natural Language Processing, Analysis and Optimization, Linear Algebra
GPA: 4.0/4.0

New York City, NY

expected graduation in June 2022

UNIVERSITY OF WASHINGTON, SEATTLE

Bachelor of Science in Mathematics and Asian Studies

Coursework: Statistical Software Applications, Calculus III, Intro to Japanese Cinema, Gender and Sexuality in China,

GPA: 3.96/4.0

Seattle, WA

Sept 2018 - June 2019

EXPERIENCES

COLUMBIA SPECTATOR

Graphics Deputy Editor

New York, NY

Sept 2019 – Present

- Obtain data that informs the Columbia community and its neighbors through web-searching, web-scraping with SQL
- Analyze and process data obtained with Python and R to extract meaningful information within the data
- Create and publish 5+ visually informative news and magazine stories using Illustrator, QGIS, etc. regarding matters on campus and around Morningside Heights on a weekly basis

COLUMBIA UNIVERSITY - SCHOOL OF ENGINEERING AND APPLIED SCIENCE

Course Assistant

New York, NY

Sept 2020 – Present

- Plan and implement 10 person Computational Linguistics recitation sessions for non-engineering students in Python on a weekly basis
- Teach basic programming and data structures concepts and problem solving approaches in weekly office hours for groups of 25 - 40 students
- Assist the course instructor with answering questions during online zoom class and grading homework assignments and assessments

NBCUNIVERSAL NEWS GROUP

News Graphics Intern

New York, NY

June 2020 – Aug 2020

- Scrape state government websites, public database for coronavirus data and update articles and infographics for coronavirus daily
- Collect and analyze data regarding government policies (such Paycheck Protection Program and ICE policy updates) with Python and write 1 article and 3-5 infographics with JavaScript, HTML, CSS and Illustrator per week
- Collaborate with 2 colleagues to create an interactive, survey-based, webpage for exploring attitudes towards the current political administration and social structure

TUTORING AND LEARNING CENTER

Geometry Tutor

New York, NY

Oct 2019 – June 2020

- Conduct geometry tutoring sessions at Columbia Secondary School twice a week with 5 colleagues to a group of 15 students
- Attend 2 weekly training sessions, participate in studies for pedagogical theory, and develop lesson plans for incorporating technology into learning Geometry

DATA PRODUCT INITIATIVE

Designer

New York, NY

Sept 2019 – Present

- Investigate congestion price policy in New York City and develop data products that assist with navigating the city in a team of 12 people under a startup company model
- Develop the product front-end with HTML, CSS, and JavaScript with another teammate
- Interview Uber drivers and riders, and locate the potential markets for a product that present the effect of NYC congestion pricing proposal

SEATTLE ART MUSEUM

Student SAmbassador

Seattle, WA

Nov 2018 – June 2019

- Serve as the museum ambassador, offer 2-hour tours to 40 visitors daily, communicate with them about their cultural backgrounds and introduce them to artifacts presented, for 5 hours per week
- Brainstorm special events for festival celebration and coordinate with an executive team of 40 coworkers to organize activities such as Lunar New Year Family Festival and Diwali Family Festival

RESEARCH ASSISTANT WITH PROFESSOR WILLIAM LAVELY

Research Assistant

Seattle, WA

Sept 2018 – June 2019

- Conduct analysis on infanticide reports from 1970s to the present in China, and explore the change of infanticide incidents under the background of Chinese economic development
- Communicate with research fellows in designing and enhancing the research method, and propose an initiative to change from conventional manual to automated approach via Google Sheet and Google Forms
- Identify over 3,500 primary news reports, and develop a program that analyzes the sources based on infanticide mentions, content, and political stands

TILTING POINT

Multimedia Intern

New York, NY

May 2018

- Produced 3 videos and animations for the creative team of Tilting Point, a game publishing company, using Adobe Photoshop, Premiere Pro, and After Effects
- Conducted research and data analytics on user behavior pattern, understood market fluctuation and changing customer demands to enhance product selection
- Collaborated with the operations and marketing team, aggregated their objectives and working processes to improve overall team efficiency

LANGUAGES & SKILLS

Languages: Fluent in English and Chinese; Conversational in Japanese and Korean

Code and Data Analysis Skills: Proficiency in R, Java, Excel, Python and JavaScript; Familiarity with SQL, C

Design Skills: Photoshop, Illustrator, Final Cut Pro, Premiere Pro, After Effects, Painting and Drawing