

CHARLOTTE LI

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

EDUCATION

COLUMBIA UNIVERSITY, COLUMBIA COLLEGE, NEW YORK CITY

Bachelor of Science in Computer Science-Mathematics and Linguistics

Coursework: Natural Language Processing, Intro to Data Visualization, Advanced Programming in C, Analysis of Algorithms

GPA: 4.0/4.0

New York City, NY

Expected graduation in June 2022

UNIVERSITY OF WASHINGTON, SEATTLE

Undergraduate Studies

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

GPA: 3.96/4.0

Seattle, WA

Sept 2018 - June 2019

EXPERIENCES

BIG LOCAL NEWS AT STANFORD UNIVERSITY

Research Intern under Cheryl Phillips

Remote

June 2021 – Present

- Prototype a query system for journalists to find relevant information in local public meeting minutes with Elastic Search and probabilistic topic modelling
- Optimize and streamline a system to scrape company lay-off notices from state government website with prefect.io
- Contribute to and host weekly interdisciplinary research discussions at Center for the Study of Language and Information

COMPUTER SCIENCE DEPARTMENT AT COLUMBIA UNIVERSITY

Research Assistant

Remote

Jan 2021 – May 2021

- Design and implement a style-aware thesaurus by fine-tuning a pretrained BERT model with the ArXiv Computer Science paper corpus
- Present research results and methodology to the Columbia Human Computer Interaction group
- Led current NLP research literature review during weekly Columbia Human Computer Interaction group meetings

COLUMBIA SPECTATOR

Graphics Deputy Editor

New York, NY

Sept 2019 – Present

- Pitch, report, and develop visual, interactive stories using D3, JavaScript, QGIS, and Illustrator
- Direct, edit, and publish 5+ visual news and magazine stories every week
- Scrape and analyze data with Python and R to uncover and investigate storylines

COMPUTER SCIENCE DEPARTMENT AT COLUMBIA UNIVERSITY

Natural Language Processing Course Assistant

New York, NY

Sept 2020 – June 2021

- Teach programming, data structures concepts, and problem solving approaches for groups of 25–40 students
- Plan and implement 10-person weekly educational sessions in Python
- Assist the course instructor with answering questions during 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 databases to update coronavirus graphics and stories daily
- Collect and analyze data regarding government policies (such as Paycheck Protection Program and ICE policy updates) with Python. Wrote 1 article and 3-5 infographics with JavaScript, HTML, CSS and Illustrator per week
- Collaborate with other reporters to create an interactive, survey-based, web page for exploring attitudes towards the current political administration and social structures

DATA PRODUCT INITIATIVE

Designer

New York, NY

Sept 2019 – Sept 2020

- Investigate congestion price policy in New York and develop data products that assist with navigating the city in a team of 12
- 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

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

LANGUAGES & SKILLS

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

Code and Data Analysis Skills: R, Python, JavaScript, D3, Java, Excel, SQL, C

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