

CHO LAAM YUEN

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EDUCATION

Columbia University, Graduate School of Arts and Sciences New York, NY
M.A., Quantitative Methods in the Social Sciences, GPA: 4.0 Expected Dec 2022

New York University, College of Arts and Sciences New York, NY
B.A., Double Major: Psychology with Honors and Comparative Literature, Sep 2017 – May 2021
GPA: 3.9 (*summa cum laude*)
Awards received \$1000 for Dean's Undergraduate Research Fund (Nov 2020)

RELEVANT COURSEWORK

Modern Data Structures (*Python*) | Bayesian Statistics | Machine Learning (*Python*) | Adv Machine Learning (*Python*) | Data Analysis (*R/Python*) | Data Visualization (*R*) | Communicating Data & Statistics | UI Design

SKILLS & LANGUAGES

Coding: R (*gggplot2*, *tidyverse*, *rstanarm*, *brms*, *R Shiny*) | Python (*pandas*, *numpy*, *matplotlib*, *sklearn*, *keras*) | JavaScript (*D3*) | HTML | CSS | SQL | git | SPSS | Jamovi | MS Office (Word, Powerpoint, Excel)
Research: Qualtrics | Research Methodologies | CITI Certification for Social & Behavioral Research
Languages: English (*fluent*) | Cantonese (*fluent*) | Mandarin (*fluent*) | French (*advanced*)

SELECTED PROFESSIONAL EXPERIENCE

Graphen Inc. New York, NY,
Data Science Intern May 2022 – Present

- Storyboarding and requesting client feedback to tailor UI to user specific needs
- Designing and developing a website frontend using HTML, CSS, and Javascript
- Creating dynamic data visualizations in D3 to communicate data-driven insights (i.e. *force layouts, maps, scatter, line & bar charts*)
- Utilizing Flask to connect the backend and the frontend to create a comprehensive web system
- Performing ETL on data in Python to build an automated processing pipeline for new data
- Building and testing scripts for data in Python to be automatically analyzed in the backend
- Interacting with an AWS machine to establish a database and host the website
- Collaborating with data scientists, engineers and social scientists to deliver a website to clients

Columbia Business School, Behavioral Research Lab New York, NY,
Graduate Research Assistant Sep 2021 – Present

- Transforming and analyzing data in R on a large dataset with nested structure
- Building functions in R to automate data preprocessing for the analysis stage
- Working with qualitative & quantitative survey data to examine team dynamics in the workplace
- Writing a manuscript to augment existing organizational literature on emotional similarity
- Collecting physiological and psychological data of 80 participants in an in-person experiment
- Collaborating with a diverse research team to collect, code, and write technical reports

New York University, Social Cognitive & Neural Sciences Lab | Trope lab New York, NY,
Undergraduate Research Assistant Sep 2018 – Jul 2021

- Mastered and applied multiple research methodologies on 5 separate research projects
- Created and designed surveys using Qualtrics software for qualitative & quantitative studies
- Generated stimuli using Photoshop and the Chicago Face Database
- Programmed in JavaScript to construct Mouse Tracker tasks for a decision making experiment
- Cleaned, coded, organized, analyzed, and visualized experimental data in R, Excel, and Jamovi
- Conducted literature review on implicit bias, multiracial categorization, and face trait space

ACADEMIC PROJECTS

Perceived Emotional Similarity in the Workplace Present

- Exploring how perceived emotional similarity between employees who work in teams affect work productivity and job satisfaction
- Performing ETL and building multilevel models to account for greater similarity within teams

- Preparing a manuscript to augment existing Industrial Organizational literature on emotional similarity for publication

Data Visualization of Global Carbon Emissions

May 2022

- Created a dashboard in R Shiny showing historical emissions and promotion of sustainability
- Designed a user flow to tell a story centered on promoting sustainability, using visualizations of raw statistics and NLP analysis on reports with supplementary text

Machine Learning Youtube Thumbnails Categorization

Apr 2022

- Investigated how content tags can be inferred from thumbnails as image classification problem
- Experimented with various CNN model architecture, transfer learning models, image augmentation, and tuning hyperparameters to maximize model performance using keras

Learning for Yourself Versus Learning for Others

May 2021

- Designed an experimental survey to investigate how individuals attend to information differently
- Performed ETL on data and used mixed model analyses to account for within subjects design
- Presented research findings and implications at the NYU Undergraduate Research Conference

COMPETITIONS

2021 | **Penn Healthcare Case Competition** — first round (top 15) Client: Vulcan Biosciences

2021 | **Covid Twitter Misinformation Machine Learning Competition** — top 15

LEADERSHIP EXPERIENCE

Francophone Community Exchange Program

Jan 2018 — May 2018

- Mentored bilingual children in a French and English community
- Implemented reading sessions and facilitated discussion-based activities