

Muhan Yang

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Website: <https://muhanyang.shinyapps.io/website-using-shiny/>

EDUCATION

The University of British Columbia (UBC)
B.A.(Hons.) in Psychology, Minor in Data Science
Overall GPA: 83.9/100 | Major GPA: 86.5/100

2021 - 2025 (Expected)

Fourth-year Honours Thesis
Supervisor: Dr. Jason Rights

- Title: in prep

Third-year Honours Thesis
Supervisor: Dr. Catherine Ann Cameron

- Title: Development of academic dishonesty in childhood: Relationships between theory of mind, agreeableness, and prosocial behaviour on cheating
- Analyzed data using generalized linear model and hierarchical regression analysis using Rmarkdown

RESEARCH EXPERIENCES

UBC Structural Equation Modelling (SEM) Lab
WLIURA Research Assistant

Jan. 2024 - Present
PI: Victoria Savalei

- Mastered SEM through PSYC 546Y SEM I graduate course materials
- Conducted a literature review on Random-Intercepts Cross-Lagged Panel Model (RI-CLPM) simulation
- Independent project: RI-CLPM simulation analysis

The Rights Lab
Research Assistant + Honours Thesis Student

Sept. 2023 - Present
PI: Jason Rights

- Skilled in Multilevel Modelling (MLM) via literature reading, biweekly discussion with graduate student, and PSYC 546J MLM graduate course
- Performed a literature review with 100+ articles on Intra-class Correlation (ICC) in MLM
- Drafted an empirical example and received training in running simulation of the ICC project
- Assisted adjusted R-squared manuscript: searched related literature and proofread before submission

Child & Teen Studies Lab
Research Assistant + Honours Thesis Student

Aug. 2023 - Jun. 2024
PI: Catherine Ann Cameron

- Completed data entry based on interview responses and data cleaning using SPSS
- Contacted parents, scheduled sessions, collected consents, and managed consent forms and session recordings on Globus
- Guided and mentored junior lab members to use SPSS and R in data cleaning
- Coordinated a 5-person team to draft the APS Convention 2024 poster submission

Social Health Lab
Research Assistant

Sept. 2022 - Sept. 2023
PI: Frances Chen

- Collected and entered ~80 pieces of data in Teen Studies project and Trier Social Stress Test (TSST) Simulated Online Interview project, including saliva sample collection
- Conducted TSST interview, parent reconsent, and medication record entry
- Assisted graduate students with mock phone screen practice using DSM-V

PRESENTATIONS

Yang, M., Phan, K., Song, J., Chawla, T., Wilkinson, L., Duan, T.-Y., Dong, L. D., & Cameron, C. A. (2024, May 25th). *Theory of mind, agreeableness, and demographics in the development of children's academic dishonesty*. [Poster presentation]. Association for Psychological Science Annual Convention, San Francisco, CA, United States.

Yang, M. & Cameron, C. A. (2024, April 5th). *Development of rule violation in childhood: Psychosocial factors in academic cheating*. [Poster presentation]. 26th Annual UBC Psychology Undergraduate Research Conference, Vancouver, BC, Canada.

EXTRACURRICULAR ACTIVITY | WORK EXPERIENCE | COMMUNITY INVOLVEMENT

youCode@UBC 24-Hour Hackathon Apr. 6-7, 2024
Beginner Stream Hacker | UX/UI Designer Vancouver, Canada

- Implemented UX/UI design in the team of 4 by creating an interactive and functional prototype with a campus map, using Figma and Procreate
- Built a phone app for locating outdoor activities on campus map with reward features

Mood Psychology Mental Health Support Group UBC Branch Jul. 2022 – May 2023
Peer Support Mentor Vancouver, Canada

- Attained peer support skills and ethics through 5-week online peer support training
- Offered weekly 1-2h peer support service to mentees
- Actively discussed advanced counselling skills with supervisor and other mentors bimonthly

TOEFL Killer Jul. – Aug. 2021
Private 1-on-1 TOEFL Writing Tutor Beijing, China

- Reviewed 30+ pieces of student writing practice in MS Word with detailed feedback
- Lectured on English grammar systematically with common usage in writing

AWARDS & RECOGNITIONS

Work Learn International Undergraduate Research Award (WLIURA) May - Aug. 2024
\$8,500 awarded to international undergraduates to work full-time (35h/week) on research projects under faculty's supervision

Dean's List 2022 - 2024
Awarded by UBC Faculty of Arts to undergraduates with a grade average of 85/100 (A) per year

Honourable Mention Apr. 2024
Awarded by youCode@UBC Hackathon to teams ranking directly subsequent top 3 winners

SKILLS

R Tools & Packages	Shiny, Rmarkdown, lavaan, semTools, simsem, lme4, psych, Tidyverse, ggplot2, dplyr
Python Tools & Packages	Pandas, Matplotlib, NumPy, scikit-learn, Altair, Natural Language Toolkit(NLTK), spaCy
Other Software & Tools	SPSS, LaTeX, Git, Jupyter, Figma, Qualtrics, Globus

Languages: Fluent in Mandarin | Conversational in Cantonese

Soft Skills: Literature Review | Academic Poster Design | UX/UI Design

Hobbies: Guzheng | Ukulele | Sudoku | Board Games | Music Arrangement