

Zhongyuan Liang

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EDUCATION

University of California, Berkeley

Ph.D., Computational Precision Health

Advisors: Prof. Ahmed Alaa, Prof. Irene Chen

Sep 2023 - In Progress

GPA: 4.00/4.00

University of Toronto

Honours Bachelor of Science, Computer Science, Statistics

Sep 2019 - June 2023

GPA: 4.00/4.00

PUBLICATIONS

Zhongyuan Liang, Lars van der Laan, Ahmed Alaa. “Hybrid Meta-learners for Estimating Heterogeneous Treatment Effects”. Under review, 2025.

Zhongyuan Liang*, Zachary T. Rewolinski*, Abhineet Agarwal, Tiffany M. Tang, Bin Yu. “Local MDI+: Local Feature Importances for Tree-Based Models”. Under review, 2025.

Zhongyuan Liang, Arvind Suresh, Irene Y. Chen. “Revealing Treatment Non-Adherence Bias in Clinical Machine Learning Using Large Language Models”. In: Conference on Health, Inference, and Learning (CHIL), 2025.

Tom Ginsberg, **Zhongyuan Liang**, Rahul G Krishnan. “A Learning Based Hypothesis Test for Harmful Covariate Shift”. In: International Conference on Learning Representation (ICLR), 2023.

Mohi Reza, Angela Zavaleta Bernuy, Emmy Liu, Tong Li, **Zhongyuan Liang**, Calista K Barber, Joseph Jay Williams. “Exam Eustress: Designing a Brief Online Intervention for Helping Students Identify Positive Aspects of Stress”. In: ACM Conference on Human Factors in Computing Systems (CHI), 2023.

SCHOLARSHIP & AWARDS

- | | |
|---|-------------------------|
| • Department of Computer Science Research Award
Awarded \$7500 to fund a summer research internship in Computer Science | 2021-2022 |
| • Nomination of TATP Teaching Excellence Award
Nominated by 7 current and past students for teaching excellence as Teaching Assistant | 2021-2022 |
| • Robert Bruce In-Course Scholarship
Awarded \$1500 for top academic achievement at New College | 2021-2022 |
| • New College Council In-Course Scholarship
Awarded \$1000 in recognition of academic achievement at New College | 2020-2021 |
| • Faculty of Arts & Science Alumni & Friends Undergraduate Scholarship
Awarded \$2000 in recognition of academic achievement at Faculty of Art and Science | 2019-2020 |
| • Dean’s List Scholar in the Faculty of Arts & Science
Awarded on the basis of grade point average (cGPA) | 2019-2022 All Semesters |

ACADEMIC SERVICE

Conference Reviewer

- NeurIPS 2025, ICLR 2025, FAccT 2025, MLHC 2024–2025, ML4H 2024

Teaching Assistant, University of Toronto

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|--|-------------------------------------|
| • CSC236 Introduction to the Theory of Computation | Fall 2021 |
| • CSC263 Data Structure & Analysis | Winter 2022 |
| • MAT135 Calculus I | Fall 2020, Fall 2022 |
| • MAT136 Calculus II | Winter 2021, Fall 2021, Winter 2022 |
| • PHL245 Modern Symbolic Logic | Winter 2023, Winter 2022, Fall 2022 |