

Linda Lo

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EDUCATION

UNIVERSITY OF TORONTO

**BS IN COMPUTER SCIENCE &
NEUROSCIENCE,**

MINOR IN STATISTICS

Honours with High Distinction
Dean's List (All Semesters)

2016-2021 | Toronto, ON

cGPA: 3.97/4.00

AWARDS

2021	Graduation Prize in Computer & Mathematical Sciences (CMS) <i>For the top student graduating from the CMS department</i>
2017, 2019, 2019	Scarborough College General In-Course Scholarships
2016	Scarborough College Admission Scholarship
2016	University of Toronto Scholar
2016	Kevin O'Connor Award for Critical and Creative Thinking in Mathematics and Sciences

RESEARCH EXPERIENCE

UTSC CMS UNDERGRADUATE RESEARCH GROUP | MEMBER

September, 2021 – present | Toronto, ON

- Engaged with various research papers from computer science on a weekly basis, developing skills in analysis and presentation of academic papers
- Developed a website for the research group to display its publications and advertise to potential new members
- Published a poster at the ACM SIGCSE 2024 conference on a systematic literature mapping of alternative education methods

CAMH | CLINICAL RESEARCH CO-OP STUDENT

January 2018 – August 2018 | Toronto, ON

- Recruited more than half of the 50 participants for a study within 8 months
- Scheduled and arranged all procedures for the study including MRI scans, glucose tolerance tests, and bi-weekly clinical visits
- Prepared medical equipment, labeled test tubes for oral glucose tolerance tests, and processed samples in a centrifuge for further analysis
- Maintained research binders for two studies in accordance with research protocols, ensuring accurate and consistent data collection practices
- Re-organized and partially automated data entry from blood work and patient visits into an Excel spreadsheet
- Conducted basic statistical analyses in SPSS, resulting in a completed poster for the 2018 Banting & Best Scientific Day

UTSC LINC LAB | VOLUNTEER**September 2017 - April 2019 | Toronto, ON**

- Experience working with NumPy and PyTorch under the guidance of the principal investigator, resulting in the creation of a program that could classify MNIST
- Fulfilled essential lab duties including preparing stock solutions, autoclaving tools, and preparing materials required for surgery on rats

OPERATION WALLACEA | PARTICIPANT IN EXPERIENTIAL MEDICAL COURSE**July 2017 | Toronto, ON**

- Supported scientific procedures by taking measurements of biological specimens for scientists working with Operation Wallacea leading to the successful completion of data collection for ongoing projects

PUBLICATIONS & POSTERS**CONFERENCE POSTERS**

- Brian Harrington, Thezyrie Amarouche, Andrew Aucie, Shreeansha Bhattarai, Yuxin Chen, Raha Gharadaghi, Kaiyi Huang, Jin Jiang, Linda Lo, Maliha Lodi, Rohita Nalluri, Fawaz Omidia, and Anagha Vadarevu. 2024. *Alternative Evaluation in CS Education Research: A Systematic Literature Map*. In Proceedings of the 55th ACM Technical Symposium on Computer Science Education V. 2 (SIGCSE 2024). Association for Computing Machinery, New York, NY, USA, 1670–1671. <https://doi.org/10.1145/3626253.3635537>

PRESENTATIONS

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| Oct 2023 | Linda Lo, Raha Gharadaghi. <i>Alternative Evaluation in CS Education Research: A Systematic Literature Map</i> . 2023 UTSC CMS Undergraduate Research Symposium. University of Toronto. Toronto, ON. Links: Presentation, Slides. |
| Jan 2023 | Linda Lo. <i>How to Read a Paper</i> . CMS URG Presentation. University of Toronto. Toronto, ON. Links: Slides. |
| Nov 2022 | Linda Lo. <i>Reconsidering the Share of a Think-Pair-Share: Emerging Limitations, Alternatives, and Opportunities for Research</i> . CMS URG Presentation. University of Toronto. Toronto, ON. Links: Slides. |
| Mar 2022 | Linda Lo. <i>Bringing "High Level" Down to Earth: Gaining Clarity in Conversational Programmer Learning Goals</i> . CMS URG Presentation. University of Toronto. Toronto, ON. Links: Slides. |
| Nov 2021 | Linda Lo. <i>How Video Production Affects Student Engagement: An Empirical Study of MOOC Videos</i> . CMS URG Presentation. University of Toronto. Toronto, ON. Links: Slides. |
| Mar 2020 | Linda Lo. <i>Neural Correlates of Theory of Mind in Typically Developing Youth</i> . Current Topics in Human Brain and Behaviour Course. University of Toronto. Toronto, ON. Links: Slides. |

TEACHING EXPERIENCE

SOCIAL & INFORMATION NETWORKS | SESSIONAL INSTRUCTIONAL ASSISTANT

Fall 2022 | Toronto, ON

- Independently prepared interactive tutorial material, including course review and worked examples based on topics designated by the course professor
- Taught 2 sets of weekly tutorials comprised of approximately 20 students per session, answering questions and guiding students in course assignments

COMPUTER NETWORKS | SESSIONAL INSTRUCTIONAL ASSISTANT

Fall 2021 | Toronto, ON

- Used C to program a router simulation on Mininet that was able to handle the forwarding of IP packets as a solution for a student assignment
- Developed a rubric for the assignment that was consistently applied to approximately 50 submissions and provided tailored feedback on the code submitted by each team
- Evaluated various assignments and virtual labs throughout the semester while delivering constructive feedback to each student

LINEAR ALGEBRA I & II | TEACHING ASSISTANT

Fall 2019, Winter 2020, Fall 2020, Summer 2021 | Toronto, ON

- Effectively taught up to 2 sets of weekly tutorials to approximately 30 students per session by dividing the class into groups, working through problems interactively and resolving any outstanding issues
- Created weekly quizzes using LaTeX according to instructor specifications, graded quizzes in a timely manner in order to support thorough evaluation, and provided feedback to students
- Managed the transition from in-person to online tutorials (due to COVID-19) by adapting group activities to breakout rooms on Zoom, resulting in positive feedback from students during course evaluations
- Used a variety of tools including Crowdmark, Quercus and Zoom for the efficient handling of online grading and administrative tasks for 200+ students
- Held both in-person and online office hours where additional one-on-one support was provided to students
- Provided detailed answers to online forum questions on a weekly basis with responses being endorsed by the course instructor
- Designed lessons with relevant exercises based on course material delivered through weekly online tutorials on Zoom (for the final semester)

UTSC MATH & STATISTICS LEARNING CENTRE | TEACHING ASSISTANT

September 2019 - April 2020 | Toronto, ON

- Provided 6 hours of weekly, on-demand course assistance in Calculus, Statistics, Discrete Math and Linear Algebra explaining concepts in a various ways to students from different backgrounds

HEALTH OCCUPATIONS STUDENTS OF AMERICA | WORKSHOP PRESENTER

September 2018 - March 2019 | Toronto, ON

- Prepared and delivered a workshop for approximately 30 students and taught university material in the form of interactive activities and lectures
- Designed a comprehensive reference booklet for the presentation which explained the structure of a paper and included exercises for student engagement

UTSC CO-OP OFFICE | PEER COACH

September 2018 - April 2019 | Toronto, ON

- Provided critique and edited documents for students in their co-op seeking term at UTSC, demonstrating attention to detail and good communication skills
- Organized an interview workshop that consisted of prepared activities and active discussion, resulting in positive feedback from the attendees

LET'S TALK SCIENCE | MEMBER

September 2016 - December 2017 | Toronto, ON

- Used interactive demonstrations to present scientific information to kindergarten and high school level students at classroom events

LANGUAGES

- Toronto District School Board (TDSB) Grade 9 Course in Mandarin
- Common European Framework of Reference for Languages (CEFR) Level B2 in French