

# 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 the 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 evaluation 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 above 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

**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**

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