

# Ines (Yuxi) Qian

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386 Yonge St., Toronto, Ontario, M5B 0A5

## EDUCATION

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### Bachelor of Applied Science

2020-2025

University of Toronto, Toronto

Major in Computer Engineering; Minor in Engineering Business

cGPA: 3.93

Related Courses: Linear Algebra, Calculus I&II&III, C & C++ programming language, Digital & Analog Circuit Analysis, Signal Processing, Electronics, Computer Organization, Engineering Strategies and Practice I&II, Marketing, People Management

## PROFESSIONAL SKILLS

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- **Technical Skills**
  - **Microsoft Office Suite:** Excel, Word, and PowerPoint
  - **Programming Languages:** C, C++, HTML, CSS, JavaScript, Python, Java, MATLAB, NEURON, Assembly Language, Verilog, Visual Basics
  - **Adobe Creative Suite:** After Effect, Photoshop
  - **Project Management:** Git, Gantt Project
  - **Data Analysis:** Fathom
- **Languages**
  - Fluent in English and Mandarin

## RELEVANT EXPERIENCE

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### Contact Person & Team Member

Jan 2022 - Present

Software Communication and Design • University of Toronto

- Implementing new APIs to access data from a database of more than 1 GB more efficiently.
- Applying STL data structures to organize data for optimizing future searching features.
- Developing unit testing to run test on the functionality, speed, and memory management of the program.

### Undergrad Research Assistant

Apr 2021 - Present

N2B CNET • Neuron to Brain Laboratory at the Krembil Research Institute

- Investigating the principle behind computational neuron models and their practical uses.
- Reporting the findings in the form of presentation to a team of seven weekly.
- Collaborating with a group of three and developed a neuron simulation, using NEURON programming language, with research focus on the density and locations of ion channels.
- Currently researching on the impact of h-channels on cortical theta rhythm by neuron modeling.

### Team Leader

Sep 2020 - Dec 2020

Engineering Strategies and Practice I • University of Toronto

- Led a five-student-based team to design a basement lighting system for the client.
- Scheduled meetings and set internal deadlines on MS Teams to let the team pace well.
- Organized meeting documentations to present a neat revision record to the client.

## EXTRA-CURRICULAR ACTIVITIES & VOLUNTEER WORK

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### Co-President

Sep 2021 - Present

University of Toronto Knitting and Embroidery Club • University of Toronto

- Established the club and built the community for knitting and embroidery lovers at University of Toronto. The club is currently running with more than 50 members.
- Promoted the club and its event at the university's club fair and on social media.
- Planned the club events and carried out pandemic-adaptive plans, such as remote meetings and pop-up booth for material collections, etc.

### Executive Member

Sep 2021 - Present

Marketing Department • Association of Chinese Engineers • University of Toronto

- Scheduled the CDS Hackathon with a team of six, which helped more than 200 first-year students for their final presentation in the design course.
- Advertised the club's event in the form of public announcement and promotional posts.

### EngLEARN Facilitator

Jan 2021 - May 2021

EngLEARN (Leaders Engaged in Academic Review & Networking) • University of Toronto

- Arranged weekly meeting to provide academic support for peer students.
- Motivated students from the same discipline to network and help each other.
- Managed the announcement system to schedule meetings and organize the documentations for the meetings.

## AWARDS, CERTIFICATES, AND HONOURS

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Dean's Honour List

2021 Winter & 2020 Fall

TD Bank Higher Education Award

2020

Dean's Merit Award

2020

Hidi Award at the University of Toronto

2020

2019 Canadian Senior Mathematics Contest Top 25%; Group III Honour Roll; School Champion

2019