

# Ethan Xu

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Websites: [MyNote/ Editor](#) [LinkedIn: Profile](#)

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## EDUCATION

### UNIVERSITY OF TORONTO

St. George campus

#### MAJORED IN MATHEMATICS

Issued Jun 2023

#### SPECIALIZED IN PHILOSOPHY

Issued Jun 2023

Conc. in Philosophical Logic, and  
Foundation of Mathematics.  
Honours Bachelor of Arts.  
New College.

## COURSEWORK

### COMPUTER PROGRAMMING

Introduction to Computer Science,  
Mathematical Expression and  
Reasoning for Computer Science,  
Introduction to Computer  
Programming,  
Computational Thinking.

### LOGIC & FORMAL SYSTEMS

Introduction to Mathematical Logic,  
Probability and Inductive Logic,  
Modern Symbolic Logic,  
Modal Logic and Philosophical  
Application in Logic,  
Intermediate Logic.

## SKILLS

### PROGRAMMING

Over 5000 lines:

Python •  $\text{\LaTeX}$

Over 1000 lines:

HTML • CSS • JavaScript

Familiar:

R • SQL

### COMMUNICATION

Advanced

Formal Argument • Math/Logical Proof

Intermediate:

Essay Writing

Basic:

Oral Presentation

## EXPERIENCE

### WRITER | FREELANCE

Since Jun 2023

Provides unrestricted public access to educational materials. As a freelance academic writer, I specialize in writing about topics related to mathematics, logic, philosophy, and computer science. My aim is to make complex concepts accessible and engaging for readers from diverse backgrounds.

## PROJECTS

### MYNOTE EDITOR

May 2023

An HTML editor that is capable of rendering MathJax in real time. MathJax is a JavaScript library that displays mathematical notation in browsers, using  $\text{\LaTeX}$ , MathML, or AsciiMath notation. As users input their equations or other MathJax-supported notation, they can see the rendered output immediately.

### MYNOTE

Since Jun 2023

This website functions as a platform for me to organize study notes. Moreover, it offers unrestricted public access to educational resources. Currently, this is in the process of being constructed and developed.

## CERTIFICATIONS

### GOOGLE DATA ANALYTICS | GOOGLE

Issued May 2023

Credential ID 8WYE47J57XXY

### MACHINE LEARNING | STANFORD UNIVERSITY

Issued May 2023

Credential ID UUE4UZUYG532

### REINFORCEMENT LEARNING | AMII

Issued Jun 2023

Credential ID 79MN76WFGGQ8

## VOLUNTEERING

### Q&A CONTRIBUTOR

| MATHEMATICS STACK EXCHANGE

Since Sep 2017

| PHILOSOPHY STACK EXCHANGE

Since Oct 2019

## LANGUAGES

**ENGLISH** FULL PROFESSIONAL PROFICIENCY

**GERMAN** ELEMENTARY PROFICIENCY

**MANDARIN** NATIVE PROFICIENCY