

# Xiaoling (Sol) He

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## EDUCATION

**University of Nebraska-Lincoln**

August 2023 - Present

PhD in Mathematics

**Carnegie Mellon University**

August 2019 - May 2023

BS in Mathematical Sciences (Discrete Math and Logic concentration)

**Brandeis University**

August 2018 - May 2019

Music (intended)

## TEACHING EXPERIENCE

**Carnegie Mellon University**

*Advanced Linear Algebra* Teaching Assistant

January 2023 - May 2023

*Abstract Algebra* Teaching Assistant

August 2022 - December 2022

*Calculus* Teaching Assistant (2 semesters)

August 2020 - December 2021

- ❖ Was rated 4.5/5 in TA evaluation (department average was 4.28)

- ❖ Fostered sense of community by organizing math music video: <https://youtu.be/9atBswSk2-o>

*Mathematical Proofs* Grader

January 2020 - May 2020

## WORK EXPERIENCE

**Microsoft**

Software Engineer Intern (user data visualization tool)

June 2022 - August 2022

- ❖ Independently designed and implemented a tool for the WebXT-Ads team

- ❖ Learned Java, Hbase, Django

**Nokia Bell Labs**

Software Engineer Intern (error-catching webapp for 5G project specifications)

March 2021 - August 2021

- ❖ Improved error-catching accuracy by 600% and contributed solutions to various problems

- ❖ Accumulated 4000+ view to the webapp, improving 5G specifications quality

- ❖ Served as scrum master (team facilitator) in an agile team of interns for 3 months, introduced mechanisms with the goal of fostering a collaborative team culture

- ❖ Learned React, Spring Boot, mongoDB

**China Construction Bank**

Client Service Intern

July 2018 - August 2018

- ❖ Translated English and Spanish for international services

- ❖ Filed customer information and followed up with customers on the phone

- ❖ Set up online banking, wired money, printed statements, cashed checks for clients

## SKILLS

Python Standard ML Java Latex Spanish Mandarin Cantonese Piano

## EXTRACURRICULAR INVOLVEMENT

Silver Key of Scholastic Art and Writing Awards (2016)

Piano Performance Diploma (Grade 9 of 9) (2014)

Frisbee Club (CMU), Math Club (CMU), Tartan Salsa Club (CMU)

Poker Club (UNL)

Piano Recitals (2017, 2018)

Pianist for the musical *Mamma Mia!* (Brandeis University Theater)