

Xiaoling (Sol) He

<https://sol-he.github.io/> | xhe16@unl.edu | 857 207 8522

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), Philosophy Club (UNL)

Piano Recitals (2017, 2018)

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