

# LINGFENG ZHAO

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## EDUCATION

**University of Illinois at Urbana-Champaign**      **Expected Graduate Date: May 2025**

*Bachelor of Science in Mathematics, Statistics, minor in computer science* GPA: 3.83/4.00

## Related Coursework:

Abstract Linear Algebra	Multivariable Calculus	Intro to Combinatorics
Non-Linear Programming	Differential Equation	Computational Mathematics
Statistics and Probability 1	Intro to Computer Science 1	Intro to Computer Science 2
Discrete Structures	Reinforcement Learning	Data Structure

## TECHNICAL SKILLS

**Programming Languages:** C++(advanced), C(advanced), Java(Advanced), Python(Advanced), C#(Basic)

**Frameworks/Tools:** Git, Visual Studio Code, Pycharm, Google Colab, Pytorch

**Spoken Languages:** Mandarin and English

## PROJECT HIGHLIGHTS

**Reinforcement Learning Intern (Python)**      **May 17<sup>th</sup>, 2023 - Now**

- Paper reading blog: [https://blog.csdn.net/weixin\\_43536763/category\\_12360234.html](https://blog.csdn.net/weixin_43536763/category_12360234.html)
- Revise the Dynamic Inverse Reinforcement Learning method to make it applicable in high scale problems.

**Course Application(C)**      **April 2021 – May 2022**

- Created multiple functions for calendars, editing pictures, and DNA series.

**Course Application (Java)**      **September 2021 – December 2021**

- Implemented an Android application that listed nearby restaurants and sorted by alphabet sequences.

**Macao Joint School Science Exhibition**      **April 2021 - April 2021**

- Design a mathematical model for strategies of covid test and a poster for it
- Programmed a 2D game to explain the strategy

**Game Design (C#)**      **August 2020 – August 2020**

- Generated a 2D game with strategies and designed character animations.
- Created different results based on different choices to ensure players' experiences.

## Rewards

**The International Mathematical Modeling Challenge, IMMC**

- 1<sup>st</sup> Prize      January 2020
- 2<sup>nd</sup> Prize      November 2019