

# Wesley Zheng

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## EDUCATION

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### Univeristy of California, Berkeley

Berkeley, CA

*B.A. in Computer Science and Applied Mathematics, Minor in Data Science; GPA: 4.0*

*August 2022 – May 2026*

### Northwood High School

Irvine, CA

*GPA: 4.28*

*August 2018 – June 2022*

## EXPERIENCE

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### Berkeley Operations and Behavioral Analytics Lab Member

January 2024 – Present

*UC Berkeley*

*Berkeley, CA*

- Studied how individual human decision-makers exchange advice with one another and update their strategies after the exchange, under the supervision of Professor Park Sinchaisri
- Designed a card elimination game that tests human sequential decision-making
- Developed an AI pair-matching strategy using inverse reinforcement learning and random forest classification

### Undergraduate Course Staff

August 2023 – Present

*UC Berkeley*

*Berkeley, CA*

- Teaching Assistant for CS 188: Introduction to Artificial Intelligence (Fall 2024, Summer 2024) and DATA C8: Foundations of Data Science (Summer 2024)
- Tutor for CS 188 (Spring 2024)
- Academic Intern for DATA C8 (Fall 2023) and DATA C88C: Computational Structures in Data Science (Fall 2023)
- Supported thousands of students on Ed Discussion with course-related questions
- Advised hundreds of students on assignments during office hours and in discussion sections

### Applied AI Engineer Internship

May 2024 – July 2024

*Power Meta Corp.*

*Irvine, CA*

- Studied the market for decentralized GPU grid computing in the blockchain industry
- Edited the company's blockchain whitepaper
- Provided detailed suggestions for the blockchain model

### Data Science Discovery Program Student Researcher

August 2023 – December 2023

*UC Berkeley*

*Berkeley, CA*

- Participated in the *Opportunities and Risks of AI in Improving Pancreatic Cancer Detection* project under Jolie Lam from CITRIS
- Worked on predicting pancreatic cancer based on a dataset containing hundreds of patient records
- Tested several classification machine learning models and constructed our final model using libraries such as NumPy and PyTorch

## PROJECTS

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### BearCourseHub | *Swift, SwiftUI, Firebase*

August 2023 - December 2023

- Developed an iOS application to provide UC Berkeley students with relevant information about courses
- Provided information including the course website, the professor's Rate My Professor ratings, and a general course description
- Added functionality that allows users to customize the app based on their preferences

## OTHER

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**Relevant Coursework:** Introduction to Artificial Intelligence: A+, Introduction to Database Systems, Probability for Data Science, Great Ideas in Computer Architecture (Machine Structures): A+, Principles and Techniques of Data Science: A+, Data Structures: A, Structure and Interpretation of Computer Programs: A, The Foundations of Data Science: A+

**Awards and Honors:** Dean's List - College of Letters and Science, Honors to Date

**Programming Languages:** Java, Python, C, SQL, Swift, SwiftUI, RISC-V, R

**Developer Tools:** Git, VS Code, PyCharm, RStudio, IntelliJ

**Libraries:** pandas, NumPy, Matplotlib, seaborn, PyTorch, Tidyverse

**Languages:** Native Chinese