

# Yingjie Dai

777 University Avenue Unit 1101, Madison, Wisconsin, 53715  
608-609-7378 | dyj0420\_becca@Outlook.com

## EDUCATION

### University of Wisconsin - Madison

*Bachelor of Science in Computer Science*

**GPA:** 3.84 / 4.0

**Madison, Wisconsin**

Expected May 2025

- **Honors:** College of L&S Dean's List
- **Relevant Coursework:** Data structure, Object-Oriented Programming, Machine organization and Programming, Data wrangling, Linear Algebra, Probability and Statistics, Discrete Mathematics

## WORK EXPERIENCE AND ACTIVITIES

### Machine Teaching Research, research assistant

Jan 2023 – May 2023

- Conducted research on innovative machine teaching methodologies
- Leveraging mathematical models and algorithmic approaches to enhance the efficiency and effectiveness of machine learning education.

### ZKteco USA, intern

Dec 2022 – Feb 2023

- Developed comprehensive test, analyzing performance and providing actionable recommendations.
- Contributed to hardware upgrades by assisting in the installation of new components

### Software Development Programming Club, members

Sep 2021 – Current

- Conducted collaborative weather application projects in team of 4
- Coordinates 10+ in-person meeting during and organized the meeting content

### Informatic Skunkworks, participants

Jan 2022 – May 2022

- Conduct research with concepts of machine learning for engineering research
- Collaboratively proposed weekly report with over 40 members

## PROJECT EXPERIENCE

### Building DNA Transcript

*Group leader*

- Designed user interface and usage of linked queue for the process of DNA transcription.
- Pitched DNA Transcript project and conduct feasibility analysis with other teammates.

### U.S Regional Hate Crime Rate Report

- Extracted, cleaned, and validated 3000+ data and 20+ variable of hate crime incidents from Kaggle database in CSV format.
- Designed research method, ran regression model analysis, visualized data in graph, and complete a research report.
- Worked in team of 4 on an individual data visualization using R.

## SKILLS

**Programming Language:** Java, Python, C, C++, R language, HTML, LaTeX, Assembly

**Technologies:** Data Manipulation and Analysis, Version Control, Machine Learning