

# YUE ZHANG

PhD Candidate @ University of Ottawa

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📍 Ottawa, ON

🌐 yuezhang1437



## EXPERIENCE

### Research Assistant

#### Department of National Defence

📅 Feb 2025 – Ongoing

📍 ON, Canada

- Coordinate Canadian Department of National Defence to assess the current Missile Defense System.
- Research the robustness of AI-based algorithms for configuring and deploying ground-based interceptors.

### Algorithm Engineer

#### Flipped Dating

📅 Jan 2025 – Ongoing

📍 CA, USA

- Optimize candidate matching for Flipped Dating using Online Learning.
- Implement fairness mechanisms to ensure equitable user experiences.

### Teaching Assistant

#### University of Ottawa

📅 Sept 2024 – Ongoing

📍 ON, Canada

- Lead lab sessions for CS courses, assisting with course concepts and programming.
- Grade assignments with detailed and timely feedback to support learning.

## PROJECTS

### Gongzhu Card Game AI

#### Carleton University

📅 Jan 2025 – Ongoing

📍 ON, Canada

<https://sdawzy.github.io/gongzhu/>

- Built the Gongzhu card game UI with React and React Native.
- Developed the backend with Flask and Supabase.
- Explore Reinforcement Learning for AI and design performance metrics.

### Japhug Language Translator

#### Swarthmore College

📅 Jan 2023 – May 2023

📍 PA, USA

<https://wikis.swarthmore.edu/ling073/Japhug>

- Built a rule-based machine translation tool for Japhug using Apertium.
- Developed an orthographic converter between IPA and Tibetan Script.

## EDUCATION

### Ph.D. in Computer Science

#### University of Ottawa

📅 Sept 2024 – Ongoing

### B.A. in Mathematics

#### Swarthmore College

📅 Sept 2021 – May 2024

## MOST PROUD OF

★ Member of ΦBK Honor Society  
Since 2024

🏆 Graduate Merit Scholarship  
From University of Ottawa

## STRENGTHS

Hard-working

Eye for detail

Motivator & Leader

Collaborator

Mathematical Analysis

Machine Learning

Full-stack Development

Card Games

## LANGUAGES

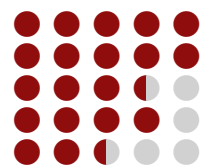
English

Mandarin

French

Japanese

Sanskrit



## REFEREES

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