

# Yuina Iseki

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https://yuinaiseki.github.io/

## EDUCATION

### GRINNELL COLLEGE

Grinnell, IA

**Bachelor of Arts**, Computer Science (Cumulative GPA: 3.96/4.00, Major GPA: 3.96/4.00)

*Expected May 2025*

*Honors*: Dean's List for all semesters, Phi Beta Kappa

*Scholarships*: Andrew Hsieh Career Exploration Grant, O.H. Snyder Scholarship, DIS Diversity Scholarship

*Coursework*: Artificial Intelligence, Computer Vision, Software Design, Linear Algebra, Analysis of Algorithms, Object-Oriented Problem Solving, Automata, Formal Languages, Computational Complexity, Discrete Structures

## TECHNICAL EXPERIENCE

### GRINNELL COLLEGE ELBICA LAB

Grinnell, IA

**Research Assistant (Full-time)**

*May 2023 – Present*

- Implement cognitively inspired AI in a multi-agent environment using neural network concepts and RL.
- Design original framework of distributed representations to model human multi-modal reasoning.
- Analyze how AI models' learning can aid our understanding of human reasoning and decision-making.

### EXAWIZARDS

Tokyo, Japan

**Software Engineer Intern (Full-time)**

*Jun – Aug 2024*

- Developed an AI chatbot web app for an EdTech event to teach elementary school children about AI.
- Explored neural networks with the R&D team to enable control of the chatbot's personality and memory.
- Designed an avatar and user-interactive web page using HTML and Live2D to enhance user experience.

### INFORMATION TECHNOLOGY SERVICES (ITS)

Grinnell, IA

**Services Desk Assistant (Part-time)**

*Aug 2022 – Dec 2023*

- Worked 10 hours/week to resolve technical issues in person and on-call for Grinnell College users.

## TEACHING AND MENTORING EXPERIENCE

### GRINNELL COLLEGE COMPUTER SCIENCE DEPARTMENT

Grinnell, IA

**Teaching Assistant and Grader (Part-time)**

*Aug 2023 – Present*

- Mentor students in mastering basic and advanced topics in computer architecture and organization.
- Conduct engaging mentor sessions with original exercise content to enhance students' learning outcomes.
- Assess 60+ students' understanding of object-oriented programming with projects, quizzes, and labs.
- Communicate weekly with department professors and grading team to check-in on students' progress.

### GRINNELL COLLEGE COMPUTER SCIENCE DEPARTMENT

Grinnell, IA

**Computing Peers United Mentor (Volunteer)**

*Aug 2023 – Present*

- Foster collaborative communities among computer science majors by facilitating networking events.
- Provide one-on-one and group mentorship to underclassmen to offer insights on coursework material.

### OFFICE OF INTERNATIONAL ADMISSIONS(OISA)

Grinnell, IA

**International Pre-Orientation Program Mentor (Part-time)**

*Apr – Dec 2023*

- Facilitated workshops for new international students to adapt to U.S. culture and rural campus life.
- Maintained regular check-ins throughout the semester to provide guidance on integration into campus life.

### CENTER FOR LANGUAGES AND INTERCULTURAL COMMUNICATION

Grinnell, IA

**Japanese Language Lab Tutor (Part-time)**

*Aug 2022 – Dec 2023*

- Trained 20+ college students in improving their fluency and comprehension of Japanese.

### NUCB INTERNATIONAL COLLEGE (NIC)

Nagoya, Japan

**Admissions & Marketing Officer (Internship)**

*Jun – Aug 2022*

- Advised 30+ middle school students, offering guidance on academic, personal, and social matters.
- Guided prospective families through the admissions process, from initial inquiry to enrollment.

## LEADERSHIP

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### INTERNATIONAL STUDENT ORGANIZATION (ISO)

Grinnell College

#### President

Mar 2024 - Present

- Lead a team of 8 to plan, organize, and execute international events and shows for 400+ students.
- Collaborate with 20+ multicultural organizations, cohorts, and offices to enhance campus engagement.
- Delegate tasks to cabinet members, seeing through their responsibilities and motivating them to succeed.

### GRINTECH

Grinnell College

#### Cabinet Member

Jul 2022 - Present

- Establish a technology learning community through coding workshops, webinars, and exhibitions.
- Invited as speaker at Girls Who Code panel session to support and empower women in STEM.

### JAPANESE CULTURAL ASSOCIATION (JCA)

Grinnell College

#### Co-President

Jul 2022 - Dec 2023

- Coordinated various events with 50+ people to share and celebrate Japanese culture with the student body.

## PROJECTS

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### Poisson Image Editing

*Computer Vision Independent Project*

- An interpolation tool that seamlessly integrates an object image into a background image by using Poisson blending techniques.

### MAvis Project

*Python simulator for AI hospital robots*

- A simulator to evaluate the behavior of multiple AI robots navigating various hospital environments. Implements and tests different search algorithms and heuristics, such as A-star and greedy algorithms.

### Feedback-giving AI Chess Game

*Java Project on Eclipse*

- An AI chess game that provides instant feedback of each move by implementing the mini-max algorithm with alpha-beta pruning.

### Scarlet's Shadow

*Stealth game on Unity*

- A puzzle-based storytelling game inspired by the fairytale "The Little Red Riding Hood," themed on personal growth, decision-making, and moral good.

### Slime Alchemist

*2D Platformer game on Unity*

- A fun educational 2D platformer game for children learning about chemical elements and compounds and their functionalities in the periodic table.

### OneClick Metro

*48-hour game jam project on Unity*

- A simple one-click narrative game inspired by the adventures of navigating the Copenhagen underground metro system.

## SKILLS

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- Languages: English (native), Japanese (native), French (advanced)
- Programming Languages / Platforms: Java, C, C#, Python, Kotlin, HTML, JavaScript, Racket, Unity