

Kumiko Ueda

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EDUCATION

The University of Chicago, Chicago, IL

B.A. in Cognitive Science (Specialization in Psychology & Computer Science), expected, June 2027

B.S. in Computational and Applied Mathematics (Specialization in Machine Learning), expected, June 2027

Tokyo Gakugei University Senior High School, Tokyo, Japan

High School Diploma, March 2023

EXPERIENCE

University of Chicago Computational Affective and Social Neuroscience Lab, Chicago, IL

Research Assistant, September 2024 - present

- Trained an encoding model to encode semantics represented in the brain from movie transcripts
- Conducted preprocessing and analysis of fMRI data
- Conducted preprocessing and analysis of pupil dilation data using Python, R, and MATLAB
- Conducted eye-tracking experiments using pupillometry

University of Chicago Center for East Asian Studies, Chicago, IL

Research Assistant, July 2026 - present

- Obtained and interpreted library materials on Japanese Art History

University of Tokyo Department of Economics and Public Policy, Tokyo, Japan

Research Assistant, June 2024 - August 2024

- Created graphs on inflation for G7 countries using Python (matplotlib) using data from FRED
- Wrote a draft of two research papers on predicting medical demand during COVID-19 in Japan

International Mathematical Olympiad, Chiba, Japan

Guide, July 2023

- Translated from Japanese to English and English to Japanese for the Turkish team all day for an entire week

AWARDS AND GRANTS

- *Quad Summer Undergraduate Research Scholar*: awarded \$5,500 stipend for Research
- *BSCD Quantitative Biology Summer Fellowship*: awarded \$5,500 stipend for Quantitative Biology Research

LEADERSHIP & ACTIVITIES

Mindscapes, University of Chicago, Chicago, Illinois

President, September 2025 - present

- Planned, organized, and ran events and kept track of finances for the cognitive science organization

Japanese Student Association, University of Chicago, Chicago, Illinois

Secretary, January 2025 - present

- Helped sell Japanese snacks for fundraisers and organized study breaks
- Took notes during board meetings and send out emails

TECHNICAL PROJECTS

Music Therapy for Alzheimer's Disease, University of Chicago, April 2026 – May 2026

- Built a [website](#) exploring how music therapy could help Alzheimer's patients remember

SKILLS

Computer: Proficient in Python and C Programming Language

Languages: Fluent in English and Japanese