

# TRAN LE

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## EDUCATION AND HONORS

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### Cornell University

Information Science & Psychology, College of Arts and Sciences

Ithaca, NY

2023–2027

**Cumulative GPA:** 4.219/4.3

**Academic Awards:** Foreign Students Scholarship • Sugita Family Scholarship • S. H. Baik Family Scholarship

**Teaching Assistantship:** Introduction to Computing: A Design and Development Perspective • Introductory Design and Programming for the Web • Interactive Web Application Design and Development

## RESEARCH EXPERIENCE

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### Memory and Neuroscience Lab (PI: Professor Charles Brainerd)

Ithaca, NY

Research Assistant

Aug 2025–present

- Perform standardized prompting and data collection to obtain semantic attribute ratings (e.g., dominance, valence) from multiple LLMs (e.g., GPT, Claude, DeepSeek) for comparison with human judgment data.
- Implement a Qualtrics survey examining whether episodic “old/new” framing effects extend to semantic memory through “remember true/false” judgments in the deep distortion in everyday memory (DEM) paradigm.

### Communication and Collaborative Technologies Lab (PI: Professor Susan Fussell)

Ithaca, NY

Research Assistant

Feb 2025–present

- Work with 5 people to build XPLAIN, an AI assistant for video meetings that supports non-native English speakers with real-time clarifications of unfamiliar terms, contextually relevant suggestions, and concise live summaries.
- Conduct literature reviews (psycholinguistics, bilingual processing, CMC, AI-MC, CSCW), write experimental conversation scripts, and develop pre-test and post-test surveys in Qualtrics.
- Prototype the user interface and interaction logic in Figma for real-time support features and language switching formats and execute 15 user studies using Wizard-of-Oz methods.
- Code behavioral data (disfluencies, repairs, mouse-clicking behaviors, eye-gaze movements, facial expressions), analyze them and survey measures in R, and thematically analyze interview data in ATLAS.ti.

### Research Project with Professor Allison Koenecke & Dr. Anaïs Rameau

Ithaca, NY

Research Assistant

Jul–Dec 2025

- Transcribed speech from dysphonic patients using Praat to create ground-truth data for auditing and fine-tuning the performance of commercial automatic speech recognition (ASR) systems on medically impaired speech.

### Cornell Phonetics Lab (PI: Professor Samuel Tilsen)

Ithaca, NY

Research Assistant

Aug–Dec 2024

- Studied how random, constrained interactions shape the emergence of dialects across networks of speakers.
- Reviewed Whisper-generated transcripts to identify transcription variants and create ground truth files in Praat.
- Analyzed and visualized data in R to examine phonetic, lexical, and conversational patterns.

### Research Project with Professor Shimon Edelman

Ithaca, NY

Research Assistant

Dec 2023–Dec 2024

- Examined turn-taking timing variations in bilingual, autistic, Down syndrome, and typically developing children.
- Annotated naturalistic caregiver-child conversations by coding speech onsets and offsets in ELAN to support turn transition latency analyses.
- Conducted literature reviews on turn-taking, attention, pragmatics, joint engagement, etc., in the target populations.

## INTERNSHIP EXPERIENCE

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### Clinical Psychology Unit (Department of Neurology, University Medical Center HCMC)

Vietnam

Intern

Jun–July 2024

- Shadowed 65 counseling and therapy sessions led by a psychiatrist for patients with intellectual and developmental disabilities, anxiety disorders, depressive disorders, and trauma- and stressor-related disorders.

## SKILLS, TOOLS, AND EXTRACURRICULAR ACTIVITIES

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**Skills:** Contextual Interviews, Affinity Diagramming, Competitive Analysis, Scenario Mapping, Storyboard Sketching, Design Systems, Interaction Design, Visual Design, Prototyping, Heuristic Evaluations, Usability Testing

**Tools:** Figma, JavaScript, React, Node, Express, Mongo, Python, R, Qualtrics, ATLAS.ti, HTML, CSS, Praat, ELAN

**Extracurricular activities:** Women in Computing at Cornell (Faculty Relations Director) • Cornell Undergraduate Research Board (Peer Mentor) • Psi Chi (Member) • Translator Interpreter Program (Volunteer)