

# Suchanya Limpakom

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## Education

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**Master's Programme in Linguistic Diversity and Digital Humanities** [ Aug 2025 - Present ]

**Cognitive Science Track**

*University of Helsinki | Helsinki, Finland*

**Bachelor of Cognitive Science (Honours)** [ Sep 2019 - Aug 2023 ]

**Concentration in Cognition and Computation, Minor in Linguistics**

*Carleton University | Ottawa, ON, Canada*

- **CGPA: 11.82/12.0.** Graduated with High Distinction.
- **Thesis:** Design and Comparison of Programming Tutors Based on Translation Activities.
- **Awards:** University Medal Faculty of Arts and Social Sciences (2023); Deans' Honour List (2020-2023); Carleton University Scholarship (2019-2023).

## Work Experience

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**Academic Assistant** [ Jan 2025 - Aug 2025 ]

*Shrewsbury International School Bangkok | Bangkok, Thailand*

- Managed academic data and student records for effective reporting and communication across departments.
- Provided administrative support to the academic team, ensuring smooth operations and timely completion of tasks.

**Event Staff (Part-Time)** [ May 2024 - Aug 2025 ]

*Asia Fight Gear | Bangkok, Thailand*

- Assisted with sports gear sales during BJJ competition events; providing product guidance for customers, and recorded sales and inventory data to assist in tracking product performance.
- Managed customer requests and technical issues related to competition scheduling, award ceremonies, and live-streaming of BJJ competition events.

**Research Assistant** [ June 2022 - Aug 2023 ]

*Carleton University | Ottawa, ON, Canada*

- Conducted user studies to collect data on the usage of a Python tutor and analyze learning and usage patterns.
- Used qualitative and quantitative analysis to evaluate effectiveness of different interaction techniques.

**Teaching Assistant** [ May 2022 - Aug 2023 ]

*Carleton University | Ottawa, ON, Canada*

- Advised 200+ students in weekly tutorial sessions and office hours for Introduction to Computer Science and Software Engineering courses.
- Reviewed students' weekly assignments and exams, documented and communicated feedback to students and professor for effective academic improvement.

**Speech Research Team Intern** [ June 2021 - Aug 2021 ]

*ELSA Corporation | San Francisco, CA, United States*

- Translated linguistic concepts from English to Thai for the ELSA Speak application.
- Designed a survey to evaluate user satisfaction and gather feedback on the application.
- Collected and transcribed a dataset of spontaneous speech for the research team.

## Volunteer Experience

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**English Language and Cross-Culture Communication Mentor** [ Aug 2022 - Sep 2022 ]

*Carleton University | Ottawa, ON, Canada*

- Mentored 30 students from Hokusei Gakuen University during their summer program in English language and cross-culture communication.

- Organized events enhancing the students' understanding of Canada and its diverse culture.
- Helped the students practice English and prepare for their final presentation on cultural differences between Canada and Japan.

### **Lab Member of the Science of Imagination Laboratory** [ Sep 2020 - Apr 2021 ]

*Carleton University | Ottawa, ON, Canada*

- Reviewed the literature on various topics in Cognitive Science, specifically imagination and aphantasia.
- Synthesized the information into a comprehensive report for the professor.

## **Projects (Github: SuchanyaLim)**

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### **Python English Translation**

- Designed and created web-based tutors for Python syntax instruction through translation activities. (CTAT, JavaScript)

### **Community Fridge**

- Developed a web application for a community fridge which allows users to view and drop off items, based on REST API. (JavaScript, MongoDB)

### **Intelligent Language Tutoring System**

- Collaborated with a partner to develop a tutoring system for French learners that predicts exam results and provides learning path recommendations, based on naïve Bayes classification. (Python)

### **Cat and Mouse**

- Implemented a simple cat-and-mouse chase simulation as a hands-on exercise in reinforcement learning techniques. (Python)

### **Nature Image Classifier**

- Developed an image classifier that classifies nature landscape images into one of four categories (forest, ocean, desert, tundra) to practice implementation of naïve Bayes and fuzzy classification algorithms. (Python)

## **Publications**

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- Limpakom, S, Chiarelli, V. S., Keech, A., & Muldner, K. *Supporting Learning of Programming through Translation Activities in a Computer Tutor*. Abstract in Proceedings of the Annual Conference of the Cognitive Science Society (Poster Presentation), 2023. URL: <https://escholarship.org/uc/item/1rd2290x>

## **Skills**

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### **Technical Skills**

Data Analysis / Experimental Design / Teaching / Mentoring / Report Writing

### **Software**

Microsoft Excel / Microsoft PowerPoint / Microsoft Word / LaTeX / SPSS / JASP / PRAAT

### **Programming**

Python / JavaScript / HTML/CSS / C++

### **Organizational Skills**

Analytical thinking / Attention to detail / Self-motivation

### **Languages**

English (Fluent) / Thai (Native)