

# Wonseuk Lee (Preferred name: Justin Lee)

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## PUBLICATIONS

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### Co-author

Zhu, L., Wang, J. Z., Lee, W., & Wyble, B. (2024). Incorporating simulated spatial context information improves the effectiveness of contrastive learning models. *Patterns*, 5(5), 100964.

### Project Participant

Zhu, L., Wang, J. Z., Lee, W., & Wyble, B. (2024). Child-View Project. <http://www.child-view.com/>

### Poster Co-author

Zhu L, Lee J, Wyble B, and Wang Z “Using Navigational Information to Learn Visual Representations” *ICDS Fall 2022 Symposium. The Pennsylvania State University. The Penn Stater Hotel & Conference Center. October 12, 2022.*

## SCIENTIFIC RESEARCH

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### Undergraduate Lab Assistant

Pennsylvania State University

State College, PA

September 2021 – October 2023

- Participated in Child-View Project as a platform developer. Utilized the ThreeDWorld (TDW) virtual environment to collect a dataset to train object recognition to a network using Python and Unity game engine.
- Developed a webpage to introduce Child-View project using HTML, CSS, and JavaScript.
- Participated in Virtual reality visual working memory research project as an experiment designer utilizing Steam VR engine and Unity game engine to generate a virtual environment.

## ACADEMIC ACTIVITY

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### Undergraduate Teaching Assistant

Pennsylvania State University

State College, PA

September 2021 – December 2021

- Helped students to understand the Introductory Psychology by giving them a review session and/or office hour. Gained teaching skills as TA.
- Collaborated with my peer undergraduate TA and graduate TA to achieve a common goal. Enhanced my problem solving skills and collaboration skills as TA to give students good learning experience.

## WORK EXPERIENCE

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### Front-end Lead Engineer

Telepossible Corporation – a Pennsylvania Non-Profit Organization (NPO)

State College, PA

September 2021 – May 2023

- Established non-profit organization (NPO) named Telepossible in Pennsylvania and developed telemedicine platform Telepossible to help patients in Laos who cannot access local medical service easily due to COVID pandemic or lack of local doctors.
- Lead frontend developer team. Used HTML, CSS, and JavaScript coding techniques and lead cooperation with UX designers, product managers, and back-end engineers to implement versatile front-end solutions.
- Supervised the project from prototyping to launching. Established coding standards, taught new engineers, and managed build process, testing, and operation by actively communicating with individual team members.

### Mid-Range Guided Weapon Launch Operator

Republic of Korea Air Force

8943 Base, Republic of Korea

October 2023 – July 2025

- Served a mandatory military service due to conscription in the Republic of Korea. Other information is confidential.

## ACADEMIC ACTIVITIES/EDUCATION

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### The Pennsylvania State University

School of Engineering

Bachelor of Science (BS) Computer Science

Psychology minor

State College, PA

May 2023

GPA: 3.28

Major GPA: 3.32