

Vivian Leung

(510) 913-5048 | vyleung@upenn.edu

EDUCATION

University of Pennsylvania Graduate School of Education | Philadelphia, PA Aug 2023

M.S.Ed., Learning Sciences and Technologies

- Capstone Project: “Promoting Nutrition Education and Proportional Reasoning in Middle School Through Mobile, Inquiry-based Learning Activities”

Advisors: Dr. Janine Remillard and Dr. Rowan Machalow

University of California, San Diego | La Jolla, CA

Jul 2021

B.S., Psychology (Specialization in Developmental Psychology), *cum laude*

Minor in Education Studies

- Senior Thesis: “Using Exploration to Support Children’s Pattern Learning”

Advisor: Dr. Caren Walker

HONORS & AWARDS

Merit Scholarship | Penn GSE 2022

Phi Beta Kappa | UC San Diego 2021

Research Perseverance During COVID-19 Award | UC San Diego Dept of Psychology 2021

RESEARCH EXPERIENCE

Yoon Lab | Penn GSE Jul 2023-present

PI: Dr. Susan Yoon

Research Intern

- Analyze videos of high school science teachers’ classroom observations using interaction analysis and interviews to understand their adaptive expertise in teaching bioinformatics

Penn Wonder Lab | Penn GSE

Jan 2023-present

PI: Dr. Bodong Chen

Graduate Research Intern

- Analyzed fourth-grade students’ online discussion posts about societal issues (e.g., poverty and sexism) to investigate their theory building moves and data practices
- Created resources (e.g., slide decks) on data science for high school teachers and students
- Contributed to writing and copyediting an academic journal article

Cognitive Development Lab | UC Berkeley

Jun-Aug 2021

PI: Dr. Alison Gopnik

Summer Research Intern

- Recruited and conducted a study with over 75 4-10 year old children via email and at summer camps, parks, and museums in Berkeley to examine their decision-making in play and goal-oriented scenarios
- Formed a partnership with a local private school to advertise and run studies at the school

- Coordinated data collection shifts for team members

Early Learning and Cognition Lab | UC San Diego

Jul 2019-Jun 2021

PI: Dr. Caren Walker

Undergraduate Research Assistant

- Designed an online patterning study using Google Slides, recruited families via email, and tested over 125 4-6 year old children over Zoom during the COVID-19 pandemic
- Analyzed children's performance on the study using R
- Developed a coding scheme to categorize children's patterning strategies on a novel patterning task

Clarke Lab | UC San Diego

Jan 2019-Jun 2021

PI: Dr. Sherice Clarke

Undergraduate Research Assistant

- Analyzed 22 secondary science teachers' interviews about their facilitation of classroom discussions using narrative analysis, conducting and presenting a comparative case study of 2 teachers at an international conference
- Assisted with a systematic literature review on the use of video to support teacher reflection and learning in professional development workshops
- Led and trained 3 undergraduate research assistants on data processing

PUBLICATIONS

- Chen, B., Ma, L., & **Leung, V.** Seeing Our World Through Data: Sixth Graders Integrating Data Investigations During Knowledge Building in Social Studies. (under review).
- Ngoon, T.J., **Leung, V.**, Goldwater, M., & Walker, C.M. (2022). Exploration as a Learning Strategy to Support Children's Pattern Learning. In J. Culbertson, A. Perfors, H. Rabagliati, & V. Ramenzoni (Eds.), *Proceedings of the 44th Annual Conference of the Cognitive Science Society* (pp. 3882). Toronto, Canada: Cognitive Science Society.
- S. S., Dennis, K., Clarke, S.N., Gates, Z., Tripathi, T., Gomoll, A., **Leung, V.**, Lee, U., & Lee, B. (2022). Decomposing Practice: Developing Reliable Analyses of Complex Classroom Discussion Data. In C. Chinn, E. Tan, C. Chan, & Y. Kali (Eds.), *Proceedings of the 16th International Conference of the Learning Sciences – ICLS 2022* (pp. 1629-1632). Hiroshima, Japan: International Society of the Learning Sciences.
- Clarke, S.N., **Leung, V.**, & Batchelor, A. (2021). Teacher Frameworks about Students' Capacity to Engage in Science Discussions. In E. de Vries, J. Ahn, & Y. Hod (Eds.), *Proceedings of the 15th International Conference of the Learning Sciences – ICLS 2021* (pp. 769-772). Bochum, Germany (Virtual): International Society of the Learning Sciences.

PRESENTATIONS

- Ngoon, T.J., **Leung, V.**, & Walker, C.M. (2022, April). How Exploration Supports Children's Pattern Learning. Poster presented at the Cognitive Development Society Biennial Conference 2022, Madison, WI.
- Clarke, S.N., **Leung, V.**, & Batchelor, A. (2021, June). Teacher Frameworks about Students' Capacity to Engage in Science Discussions. Paper presented at the International Society of the Learning Sciences Annual Meeting 2021, Bochum, Germany (Virtual).

TEACHING EXPERIENCE

Introduction to Developmental Psychology | UC San Diego

Apr-Jun 2020

Supervisor: Dr. Elisa Geiss

Undergraduate Instructional Assistant

- Wrote an example blog post that served as a reference for students' writing assignment
- Graded students' exams and monitored online discussion posts

Partners at Learning Program | UC San Diego

Sep 2018-Jun 2019

Mentor and Tutor

- Mentored and tutored 2 sixth-grade English language learners at a Title I elementary school in southern San Diego twice a week
- Assisted host teacher with facilitation of classroom activities and behavior management

Kumon Math and Reading Center | San Leandro, CA

Jul-Sep 2018

Teaching Assistant

- Taught 4-7 year old children one-on-one and in small groups to read and write letters and numbers
- Guided elementary and middle school students to complete their math and reading worksheets in a timely manner

VOLUNTEER EXPERIENCE

Psychology Undergraduate Research Conference | UC San Diego

Jan-Apr 2019

Research and Advertising Committee Member

- Reviewed and provided feedback for students' submissions
- Contacted psychology graduate school programs to table at and/or sponsor the conference