

Vivian Leung

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

EDUCATION

M.S.Ed., Learning Sciences and Technologies Aug 2023

University of Pennsylvania Graduate School of Education Philadelphia, PA

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

B.S., Psychology (Minor: Education Studies) Jun 2021

University of California, San Diego La Jolla, CA

- Senior Thesis: “Using Exploration to Support Children’s Pattern Learning”
- Honors and Awards: *cum laude*, Phi Beta Kappa, Department of Psychology Research Perseverance During COVID Award

RESEARCH EXPERIENCE

Research Intern Jul 2023–present

Yoon Lab, Penn GSE Philadelphia, PA (remote)

- Conduct a literature review on the role of epistemic emotions in students’ motivation and engagement in STEM education
- Examined 8 high school science teachers’ classroom observations and interviews using interactional analysis to understand their adaptive expertise in teaching bioinformatics

Graduate Research Assistant Jan 2023–present

Penn Wonder Lab, Penn GSE Philadelphia, PA (remote)

- Develop and curate resources (e.g., slide decks) about data science related topics for high school teachers and students
- Investigated 22 fourth–grade students’ data science practices in their online discussion posts using content analysis, leading to a journal article currently under review

Summer Research Intern Jun 2021–Aug 2021

Cognitive Development Lab, UC Berkeley Berkeley, CA

- Led recruitment and data collection of over 75 children to study their decision-making in play and goal-oriented scenarios

Undergraduate Research Assistant Jul 2019–Jun 2021

Early Learning and Cognition Lab, UC San Diego La Jolla, CA

- Spearheaded recruitment, stimuli design, and data collection and analysis of over 150 children to examine their patterning performance and strategies, resulting in an international cognitive science conference proceeding

Undergraduate Research Assistant Jan 2019–Jun 2021

Clarke Lab, UC San Diego La Jolla, CA

- Analyzed 22 secondary science teachers’ perspectives on their facilitation of classroom discussions using narrative analysis, leading to an international education conference proceeding and presentation

- Contributed to a literature review on the use of video to support teacher reflection and learning in professional development workshops

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

Undergraduate Instructional Assistant Apr 2020–Jun 2020
Introduction to Developmental Psychology, UC San Diego La Jolla, CA

- Wrote a short article that served as a reference for a writing assignment
- Created exam questions, graded exams, and monitored students' online discussion posts

Mentor Sep 2018–Jun 2019
Partners at Learning Program, UC San Diego La Jolla, CA

- Tutored 2 sixth-grade English language learners at a Title I elementary school in English Language Arts, math, and science twice a week
- Assisted host teacher with classroom activities and behavior management

Teaching Assistant Jul 2018–Sep 2018
Kumon Math and Reading Center San Leandro, CA

- Taught young children one-on-one and in small groups to read and write letters and numbers
- Guided elementary and middle school students in completing their math and reading worksheets in a timely manner

VOLUNTEER EXPERIENCE

Research and Advertising Committee Member

Jan 2019–Apr 2019

Psychology Undergraduate Research Conference, UC San Diego

La Jolla, CA

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