

Joseph Suh

Electrical Engineering and Computer Sciences, University of California at Berkeley
josephsuh@berkeley.edu · <https://josephsuh.org>

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Education

University of California at Berkeley

09/2023 – Present

Ph. D. program in Electrical Engineering and Computer Sciences

Advisors: Serina Chang, John Canny

Seoul National University

03/2017 – 02/2023

B.S. in Electrical and Computer Engineering (2-year absence due to Korean military service)

Advisor: Sunkyu Yu

Publications and Preprints

[6] [Higher-Order Binding of Language Model Virtual Personas: a Study on Approximating Political Partisan Misperceptions](#)

Minwoo Kang*, Suhong Moon*, Seung Hyeong Lee, Ayush Raj, **Joseph Suh**, and David M. Chan

Under review

[5] [Language Model Fine-Tuning on Scaled Survey Data for Predicting Distributions of Public Opinions](#)

Joseph Suh*, Erfan Jahanparast*, Suhong Moon*, Minwoo Kang*, and Serina Chang

Under review

[4] [Rediscovering the Latent Dimensions of Personality with Large Language Models as Trait Descriptors](#)

Joseph Suh*, Suhong Moon*, Minwoo Kang*, and David M. Chan

NeurIPS 2024 workshop on Behavioral Machine Learning

[3] [Virtual Personas for Language Models via an Anthology of Backstories](#)

Suhong Moon*, Marwa Abdulhai*, Minwoo Kang*, **Joseph Suh***, Widyadewi Soedarmadji, Eran Kohen Behar, David

M. Chan, and John Canny

EMNLP 2024

[2] [Long-range-interacting topological photonic lattices breaking channel-bandwidth limit](#)

Gyunghun Kim, **Joseph Suh**, Dayeong Lee, Namkyoo Park[†], and Sunkyu Yu*

Nature Light: Science & Applications 13:189 (2024)

[1] [Photonic Topological Spin Pump in Synthetic Frequency Dimensions](#)

Joseph Suh, Gyunghun Kim, Hyungchul Park, Shanhui Fan, Namkyoo Park[†], and Sunkyu Yu*

Physical Review Letters 132, 033803 (2024)

Honors and Awards

Doctoral Study Abroad Scholarship, Korea Foundation for Advanced Studies

09/2023 – Present

Presidential Science Scholarship, Korea Student Aid Foundation

03/2017 – 08/2022

34th Korea Olympiad in Informatics, 10th place, Korean Institute of Information Scientists and Engineers

2016

33rd Korea Olympiad in Informatics, 10th place, Korean Institute of Information Scientists and Engineers

2015

Teaching

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| Graduate teaching assistant, EECS 16B , EECS, UC Berkeley | Fall 2024, Spring 2025 |
| Undergraduate tutor, Basic Physics , Dept. of Physics, SNU | 2018, 2020, 2021, 2022 |
| Undergraduate tutor, Introduction to Data Structures , Dept. of ECE, SNU | Fall 2020 |
| Undergraduate teaching assistant, Programming Methodology , Dept. of ECE, SNU | Fall 2018 |

Services

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| ARR Rolling Review | February 2025 |
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