

Samah Abdelrahim

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PERSONAL WEBSITE: SAMAHABDELRAHIM.GITHUB.IO/

EXPERIENCE

- **PhD candidate, Stanford Language and Cognition Lab** - 9/2022-ongoing
- **Coordinator of Developmental Psychology Brownbag (Devo Lunch) series- Stanford University**, 9/2023-5/2025
- **Faculty meeting student representative, Department of Psychology, Stanford University**, 9/2025-5/2026
- **Stats committee representative, Department of Psychology, Stanford University**, 9/2025-5/2026
- **Research assistant, Language and Cognition Lab, Columbia University (TC)**, 5/2021-5/2022
- **Research assistant, Development and Literacy Lab, Columbia University (TC)**, 9/2021-5/2022
- **Teaching assistant, Faculty of Engineering, University of Khartoum**, 11/2017-11/2018
- **Vice President, Arab Innovation Network – University of Khartoum (UOFK)** — 11/2016-11/2017
- **Co-founder and organizer, Reading Day - University of Khartoum (UOFK)** — 11/2015-11/2017
- **Member and Co-founder, Sudan Neuroscience Projects Unit, University of Khartoum (UOFK)** — 2019-2020

EDUCATION

- **Stanford University — Ph.D.**
Ph.D. in developmental psychology (PI: Michael C. Frank).
- **Columbia University — Master of Arts, May 2022**
Master of arts in cognitive science in education (Advisor: Peter Gordon).
- **Arizona State University — Master of Computer Science, August 2021**
Data science specialization.
- **University of Khartoum — Bachelor of Science, November 2017**
B.Sc. (Honors) degree in Electrical and Electronics Engineering, “specialization in Control and Instrumentation” (Advisor: Mustafa Nawari).

MENTORSHIP

Research internship mentor - Stanford University

- Juan Bello- Stanford IRISS internship program and Foothill College, Summer 2025 (Now a cognitive science major at UC San Diego)
- Andrea Marie-Rose- The Department of Psychology Summer Internship Program, Summer 2025
- Rachel Bong- The Department of Symbolic Systems Summer Internship Program, Summer 2025
- Sadio Mohamed Abdi- The Department of Psychology Summer Internship Program, Summer 2024 (Now a research coordinator at North Dakota State University)

Graduate mentor – Stanford Language and Cognition Lab (LangCog)

- Meesha Ryan- Research coordinator, Summer 2024-ongoing
- Toluwanimi Oke- Undergraduate Research Assistant, Autumn 2025
- Kai Vanderlip- Undergraduate Research Assistant, Autumn 2025
- Princess Awambu- Undergraduate Research Assistant, Autumn 2025
- Irakli Kvariani- Undergraduate Research Assistant, Autumn 2025
- Juan Bello, Undergraduate Research Assistant, Autumn 2025 – UC San Diego
- Rachel Bong, Undergraduate Research Assistant, Autumn 2025
- Sadio Mohamed Abdi- Undergraduate Research Assistant, Summer 2024-Spring 2025

- Claire Lee- Undergraduate Research Assistant, Winter 2024-Spring 2025
- Nivedita Kripalani- Undergraduate Research Assistant, Winter 2024-Spring 2025
- Hoang D Nguyen- Undergraduate Research Assistant, Fall/Winter 2024
- Graduate mentor, Bing Honors College program, Stanford University, Summer 2024

TEACHING

- Teaching assistant, Introduction to Developmental Psychology, Stanford University, Autumn 2025
- Teaching assistant, Longitudinal Data Analysis in Social Science Research, Stanford University, Spring 2025
- Teaching assistant, Introduction to Statistical Methods, Stanford University, Fall 2024
- Head teaching assistant, Introduction to Social Psychology, Stanford University, Spring 2023
- Teaching assistant, Introduction to Developmental Psychology, Stanford University, Autumn 2023
- Teaching assistant, Introduction to Statistical Methods, Stanford University, Fall 2023
- Teaching assistant, Introduction to statistical methods, Stanford University, Fall 2023
- Course Assistant, language development course, Columbia University (TC), Fall 2021
- Teaching assistant, Programming logic controller lab, University of Khartoum (UOFK), Spring 2018
- Teaching assistant, Digital control systems, University of Khartoum (UOFK), Fall 2017

Guest lectures/talks:

- Lightning talk, Unmasking Development in the Shape Bias, Stanford Psychology Department Colloquium, Autumn 2025
- Guest speaker, Informal research talk, Staff developmental day, Bing Nursery School, Stanford University, Spring 2025
- Guest lecturer, Cross-lagged panel models in longitudinal analysis, Psych 289/COMM 365, Stanford University, Spring 2025
- Guest lecturer, Psych 35/Symsys 200, Minds and Machines, Stanford University, Summer 2024
- Guest lecturer, Stats and Society: On the history of statistics, Psych 10, Introduction to statistical modeling, Stanford University, Fall 2024
- Guest lecturer, Data visualization in R, Psych 10, Introduction to statistical modeling, Stanford University, Fall 2024

AWARDS, HONORS, AND FELLOWSHIPS

- Graduate Community Engaged Teaching (CET) Fellowship, Stanford Haas Center for Public Service, 2025-2026
- Paula Menyuk Travel Award BUCLD49, Boston University, 2024
- Diverse Intelligences Summer Institute fellowship, University of St Andrews, 2022
- Recipient of the Fulbright Foreign Student Scholarship, Columbia University, 2020
- Recipient of the Al-Ghurair Foundation for Education AGFE OLSP scholarship, Arizona State University, 2019
- Best paper award, ICCCEEE18 IEEE Conference, 2018
- Top 20 Outstanding Students in the national college entrance examination, Sudan, 2012

CONFERENCE POSTERS/PAPERS

- Abdelrahim, Jong, Lee, Ko, Frank 2025: Lexical Statistics in Early Noun Vocabularies: A Cross-Linguistic and Rater-Origin Perspective (accepted for BUCLD50-2025)
- Investigating heterogeneity in shape bias: a study on procedural, stimuli, and age-related variations. Samah Abdelrahim, Sadio Abdi, Meesha Ryan, Michael Frank (The 15th Annual BCCCD Conference, January 9-11, 2025 - BCCCD25)

- Abdelrahim, S. O, & Frank, M. C. (2024). Limited cross-linguistic variation in the lexical statistics of nouns in early vocabulary (BUCLD49-2024)
- Abdelrahim, S. O, & Frank, M. C. (2024). Examining the robustness and generalizability of the shape bias: a meta-analysis. *Proceedings of the Annual Meeting of the Cognitive Science Society*, 46. Retrieved from <https://escholarship.org/uc/item/4526m5ms>
- Bisbee, N., Tang, J. E., Yu, S. J., Lyu, Z. X., Abdelrahim, S., & Gordon, P. (July 7 – 10, 2022). *Relations between exact number and exact equality: Developmental and cross-cultural perspectives*. [Conference Poster]. International Congress on Infant Studies (ICIS) 2022 XXIII Biennial Congress, Ottawa, Canada.
- Tang-Lonardo, J., Bisbee, N., Jain, M., Kirby, E., Kim, S. B., Abdelrahim, S., Gerami, S., Sezcon-Cepeda, D., Coffel, M., & Gordon, P. (May 26 - 29, 2022). *The Neural Mechanisms of Parallel Individuation and Numerical Approximation*. [Conference Poster] Association for Psychological Science (APS) 2022 Annual Convention, Chicago, IL, USA.
- Tang, J. E. , Bisbee, N., Jain, M., Kirby, E., Kim, S. B., Gerami, S., Sezcon-Cepeda, D., Gilchrist, K., Abdelrahim, S., Coffel, M., & Gordon, P. (July 27 - 30, 2022). *The Neurobehavioral Basis of Parallel Individuation and Numerical Approximation*. [Conference Poster]. Cognitive Science Society 2022, 44 The Annual Conference, Toronto, Canada.
- S. A. Rahim, S. Ahmed and M. Nawari, "A Study of Load Frequency Control for Two Area Power System Using Two Controllers," 2018 International Conference on Computer, Control, Electrical, and Electronics Engineering (ICCCEEE), Khartoum, Sudan, 2018, pp. 1-6, doi: 10.1109/ICCCEEE.2018.8515892. keywords: {Fuzzy logic;Power system stability;Frequency control;Steady-state;Automatic generation control;Mathematical model;AGC;LFC;FLC;Area Control;ACE}