

# DANYANG HAN

Department of Psychology, NYU  
4 Washington Place, Room 415  
New York, NY 10003  
nyuactionlab.com  
[danyang.han@nyu.edu](mailto:danyang.han@nyu.edu)

## EDUCATION

- 2018 – present    Doctoral student, Cognition and Perception  
New York University, New York, NY  
Advisor: Karen E. Adolph
- 2016 – 2018        M.A., General Psychology  
New York University, New York, NY
- 2012 – 2016        B.S., Applied Psychology  
Advisor: Jie Li  
B.M., Agricultural Economics  
Advisor: Zhong Tang  
Renmin University of China, Beijing, China

## RESEARCH EXPERIENCE

- 2016 – 2018        Research Assistant, New York University, Advisor: Karen Adolph  
2016                Senior Honors Thesis, Renmin University of China, Advisor: Jie Li  
2015                Research Assistant, Georgetown University, Supervisor: Elisabeth McClure

## PUBLICATIONS

1. Ossmy, O., **Han, D.**, Kaplan, B., Xu, M., Bianco, C., Mukamel, R., & Adolph, K. E. (in press). Children do not distinguish efficient from inefficient actions during observation. *Scientific Reports*.
2. West, K. L., Soska, K. C., Cole, W. G., **Han, D.**, Hoch, J. E., Hospodar, C. M., & Kaplan, B. E. (in press). From description to generalization, or there and back again. *Behavioral and Brain Sciences*.
3. Ossmy, O., Kaplan, B., **Han, D.**, Xu, M., Bianco, C., Mukamel, R., & Adolph, K.E. (2022). Real-time processes in the development of action planning. *Current Biology*.
4. **Han, D.**, & Adolph, K.E. (2021). The impact of errors in infant development: Falling like a baby. *Developmental Science*, e13069. **Featured on journal cover.**
5. Ossmy, O., **Han, D.**, Cheng, M., Kaplan, B., & Adolph, K.E. (2020). Look before you fit: Real-time planning cascade in children and adults. *Journal of Experimental Child Psychology*, 189, 104696.

## MANUSCRIPTS IN PREPARATION & UNDER REVIEW

\*joint first authorship

1. **Han, D.**, Cole, W., Joh, A., Liu, Y., Robinson, S., & Adolph, K. E. (in prep.). Pitfall or pratfall? Individual differences in infant learning about a foam pit.
2. **Han, D.**, Rachwani, J., & Adolph, K. E. (in prep.). Ramping up and falling down: Progression of infant activities and causes of falling across development.
3. **Han, D.**, & Adolph, K. E. (in prep.). Estimating the rate of behavior: Optimal combination of sample size and observation duration.
4. \*Ossmy, O., \*Hoch, J., **Han, D.**, MacAlpine, P., Stone, P., & Adolph, K. (in prep.). Walking and falling: Using simulated robots to model variability and error in the development of infant walking.

## **SHARED DATASETS**

1. Han, D. & Adolph, K. (2020). The impact factor in infant development: Falling like a baby. Databrary. <https://nyu.databrary.org/volume/1042>.

## **CONFERENCE PRESENTATIONS**

(\*joint first authorship)

1. Han, D., Rachwani, J., Choudhury, S., & Adolph, K. E. (2021, September). Why infants fall: Development changes the causes of errors as infants acquire new skills. *International Motor Development Research Consortium*.
2. Han, D., Joh, A., Liu, Y., Cole, W., Robinson, S., & Adolph, K. E. (2021, April). Learning about a location: Infants navigate a deformable surface based on prior experience. *Society for Research in Child Development*.
3. Han, D., Rachwani, J., Liu, Y., & Adolph, K. E. (2021, April). Why infants fall: Development changes the causes of errors as infants acquire new skills. *Society for Research in Child Development*.
4. Han, D., Rachwani, J., Cheng, M., Liu, Y., & Adolph, K. E. (2020, July). Why do infants fall? Causes of falls across the development of walking. *The International Congress of Infant Studies*, Glasgow, UK. (Conference canceled)
5. Han, D., Joh, A., Liu, Y., & Adolph, K. E. (2020, July). Lessons from errors: The speed and scope of learning from falling. *The International Congress of Infant Studies*, Glasgow, UK. (Conference canceled)
6. Ossmy, O., Han, D., Kaplan, B., Xu, M., Bianco, C., & Adolph, K. E. (2020, May). Looking without noticing: Adults distinguish the means to achieve a goal, but children do not. *Jean Piaget Society*, Philadelphia, PA.
7. Ossmy, O., Han, D., Kaplan, B., Xu, M., Bianco, C., & Adolph, K.E. (2019, October). Observing others when the end-goal is not immediately visible: eye-tracking, convolutional neural networks, and EEG. *Cognitive Development Society*, Louisville, KY.
8. Han, D., Borenstein, H., Hasan, S., Tamis-LeMonda, C., & Adolph, K.E. (2019, March). Falling like a baby: Low-cost errors in infant development. *Society for Research in Child Development*, Baltimore, MD.
9. Ossmy, O., Han, D., Cheng, M., Kaplan, B., & Adolph, K.E. (2019, March). Real-time problem solving in children and adults: The development of predictive planning in object fitting. *Society for Research in Child Development*, Baltimore, MD.

10. Ossmy, O. \*, Hoch, J. \*, Han D., MacAlpine, P., Stone, P., & Adolph, K.E. (2019, March). Walking and falling: Using simulated robots to model variability and error in the development of infant walking. *Society for Research in Child Development*, Baltimore, MD.
11. Ossmy, O., Kaplan, B., Han, D., Xu, M., Bianco, C., & Adolph, K.E. (2019, March). What eye tracking and EEG tell us about the perception of multistep actions in children and adults. *Society for Research in Child Development*, Baltimore, MD.
12. Han, D., Borenstein, H., Hasan, S., Tamis-LeMonda, C., & Adolph, K.E. (2018, July). Falling like a baby: High frequency, low severity, and little evidence of deterrence. *The International Congress of Infant Studies*, Philadelphia, PA.
13. Hoch, J., Rachwani, J., Ossmy, O., Han, D., Heiman C., Cole, W., Lee, D., & Adolph, K.E. (2018, July). Learning to Walk: Immense and Varied Input. *The International Congress of Infant Studies*, Philadelphia, PA.
14. Ossmy, O., Kaplan, B. Han, D., Xu, M., & Adolph, K. E. (2018, March). Development in flexibility in tool use. *Cognitive Neuroscience Society*, Boston, MA, USA.
15. Han, D., Borenstein, H., Hasan, S., Ahmed, Z. M., De Velez, L., Robinovitch, S., & Adolph, K. E. (2017, November). Frequent falls do not deter infants from walking. *International Society for Developmental Psychobiology*, Washington, D.C.
16. Ossmy, O., Kaplan, B., Han, D., Xu, M., & Adolph, K. E. (2017, November). Neural patterns underlying the development of planning in tool use. *International Society for Developmental Psychobiology*, Washington, D.C.
17. Ossmy, O., Kaplan, B., Han, D., Xu, M., & Adolph, K. E. (2017, November). Neural patterns underlying the development of planning in tool use. *Society for Neuroscience*, Washington, D.C.
18. Ossmy, O., Kaplan, B., Han, D., Xu, M., & Adolph, K. E. (2017, October). Neural patterns underlying the development of planning in tool use. Mind in motion: The development of cognitive processes in real time. *Cognitive Development Society*, Portland, OR.

## **HONORS AND AWARDS**

|           |   |
|-----------|---|
| 2019      | Travel Award, Society for Research in Child Development (\$300)             |
| 2018      | MacCracken Fellowship, NYU  |
| 2017      | Dean's Student Travel Award, NYU (\$500)                                    |
| 2017      | Travel Award, International Society for Developmental Psychobiology (\$400) |
| 2016      | Best Senior Honors Thesis, Renmin University of China                       |
| 2015      | Academic Perfection, UC Davis   |
| 2014      | Scholarship, Chinese Scholarship Council (\$33,495)                         |
| 2014      | Merit Student, Renmin University of China                                   |
| 2013-2015 | Dean's List, Renmin University of China                                     |

## **TEACHING**

|      |  |
|------|--|
| 2021 | Guest Lecture: Developmental Psychology, New York University<br>Instructor: Melis Muradoglu          |
| 2018 | Teaching Assistant, Lab in Developmental Psychology, New York University<br>Instructor: Moira Dillon |
| 2017 | Teaching Assistant, Developmental Psychology, New York University<br>Instructor: Karen Adolph        |

## **RESEARCH FEATURES IN PUBLIC MEDIA**

- 2021 Babies are Naturals at the Fine Art of Taking a Fall—And It Doesn't Even Slow Them Down, *Early Learning Nation*
- 2021 Toddlers keep falling when toddling, why do they keep going? *CogBites*

## **STUDENT MENTORING EXPERIENCE**

- 2021 – present Alice Zhou, undergraduate student, New York University
- 2021 – present Vidisha Goyal, undergraduate student, New York University
- 2021 – present Arnav Bhakta, high school student, Phillips Academy Andover
- 2020 – 2021 Shreya Choudhury, Master's student, New York University
- 2019 – 2021 Yueqiao Liu, undergraduate student, New York University; recipient of a Dean's Undergraduate Research Fund, New York University