

Harhim Park

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Research Interests

Decision neuroscience, computational modelling, reinforcement learning, hierarchical Bayesian analysis, neuroimaging (fMRI)

Education History

M.A. (*Sep 2018 – Present*)

- Cognitive Psychology, GPA: 4.20/4.30
Department of Psychology, Seoul National University, South Korea
- Advisor: Woo-Young Ahn, Ph.D.

B.S. (summa cum laude) (*Mar 2012 – Aug 2018*)

- Physics (minor in Psychology), GPA: 3.99/4.30
Department of Physics & Astronomy, Seoul National University, South Korea

Seoul Science High School (*Mar 2009 – Feb 2012*)

- Studied advanced math and science courses equivalent to college courses, GPA: 4.23/4.30

Publication

Park, H., Yang, J., Vassileva, J., & Ahn, W.-Y. (under review). The Exponential Weight Updating Model: A novel computational model for the Balloon Analogue Risk Task. <https://doi.org/10.31234/osf.io/sdzj4>

Oral Presentation

Park, H., Yang, J., & Ahn, W.-Y. (2019). Predicting trial-wise risky choice by using multi-modal data. *Talk given at the Annual Meeting of the Korean Cognitive Science Society, Seoul, South Korea.*

Poster Presentation

Park, H., Yang, J., & Ahn, W.-Y. (2019). Predicting trial-wise choices from multi-modal data in a new environment. *Poster presented at the Annual Meeting of the Society for Neuroscience, Chicago, Illinois.*

Moody, L., Tegge, A., Park, H., Ahn, W.-Y., & Bickel, W. (2018). Delay discounting and sequential decision making across the alcohol use and recovery spectrum. *Poster presented at the Annual Scientific Meeting of the College on Problems of Drug Dependence, San Diego, California.*

Grants

SNU Undergraduate Research Grant in Social Sciences

Seoul National University (*Mar 2018 – Jan 2019*)

- Predicting trial-wise risky choice by using multi-modal data

Scholarships & Awards

SNU Graduate Scholarship for Basic Science Research (*Mar 2019 – Present*)
Seoul National University

- Stipends of \$5000 each semester

The Presidential Science Scholarship (*2012 – 2014, 2017*)

Korea Student Aid Foundation

- A full scholarship for undergraduate studies and additional stipends of \$2000 each semester

14th International Astronomy Olympiad (IAO) (*Nov 2009*)

Coordinating Council of International Astronomy Olympiad

- 2nd prize

13th International Astronomy Olympiad (IAO) (*Oct 2008*)

Coordinating Council of International Astronomy Olympiad

- 1st prize

Experience

Teaching Assistant (*Mar 2019 – Dec 2019*)

- Psychology of Interpersonal Relations
Department of Psychology, Seoul National University, South Korea

Teaching Assistant (*Mar 2018 – Dec 2018*)

- Computational modeling: Woo-Young Ahn, CCS Lab (<https://ccs-lab.github.io>)
Department of Psychology, Seoul National University, South Korea
- Seoul Science High School Research & Education

Research Assistant (*Sep 2017 – Aug 2018*)

- Computational modeling: Woo-Young Ahn, CCS Lab (<https://ccs-lab.github.io>)
Department of Psychology, Seoul National University, South Korea

Intern (*Mar 2017 – June 2017, Mar 2018 – June 2018*)

- Gravitational Wave: Sung-Hoon Jung Lab
Department of Physics & Astronomy, Seoul National University, South Korea

Research & Education (*Mar 2009 – Dec 2009*)

- Semiconductor & Transistor: Dong-Ryeol Jeon Lab
Department of Physics Education, Seoul National University, South Korea

Ad-hoc Reviews

- Current Directions in Psychological Science (with advisor)
- Decision (with advisor)

Skills

- Programming: R, Stan, Python, C/C++, GitHub, Linux batch script, LaTeX

International Experience

Global Volunteering (*Feb 2014*)

Global Inter-culturing and Volunteering, Seoul National University

- Indonesia

Other Experience

Korean Airforce (*Mar 2015 – Mar 2017*)

- Military Service Obligation

Volunteering Club (*Mar 2013 –*)

Global Inter-culturing and Volunteering, Seoul National University

- Vice-chairman (*Mar 2014-June 2014*)

Rock Band (*Mar 2012 –June 2014*)

Department of Physics & Astronomy, Seoul National University

- Vocal