

# 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 to be 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

**14<sup>th</sup> International Astronomy Olympiad (IAO)** (*Nov 2009*)

**Coordinating Council of International Astronomy Olympiad**

- 2<sup>nd</sup> prize

**13<sup>th</sup> International Astronomy Olympiad (IAO)** (*Oct 2008*)

**Coordinating Council of International Astronomy Olympiad**

- 1<sup>st</sup> 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