



# Jeunghyun Lee

CLINICAL PSYCHOLOGY · NEUROSCIENCE

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"Be the change that you want to see in the world."

## Summary

I am currently a graduate student in Computational Clinical Science Laboratory (PI: Woo-young Ahn), mainly interested in clinical psychology and decision neuroscience. Particularly, I seek to understand the roles of stress in decision making and how they are implicated in certain psychiatric conditions using neurocomputational and machine learning approaches. I aim to become a scientist who builds tools that help people make better decisions in the realm of clinical psychology.

## Education

### Seoul National University

M.A. CANDIDATE IN CLINICAL PSYCHOLOGY

Seoul, S.Korea

Mar. 2020 -

- Currently a Masters Candidate in Clinical Psychology at Seoul National University.

### Korea University

B.S. IN PSYCHOLOGY AND PUBLIC GOVERNANCE/LEADERSHIP

Seoul, S.Korea

Mar. 2016 - Feb. 2020

- Received a dual degree in Psychology and Public Governance/ Leadership from Korea University.

### University of Hong Kong (HKU)

GLOBAL EXCHANGE STUDENT

Hong Kong, Hong Kong

Jan. 2018 - June. 2018

- Studied at University of Hong Kong as a global exchange student at Department of Psychology.

## Research Experience

### Computational Clinical Science Laboratory (PI: Woo-young Ahn)

Seoul, S.Korea

GRADUATE STUDENT, MA CANDIDATE

Mar. 2020 -

- Implemented and leading projects on investigation of neural mechanism of addiction and maladaptive decision-making.
- Implemented and leading projects on investigation of effects of acute stress on reward processing in accordance with various physiological data.
- Implemented and leading projects on navigation of neural system underlying consuming behavior in an attempt to successfully predict human behavior and decision-making.
- Implemented and leading projects on suggesting and analyzing computational models regarding social decision-making under acute stress.
- Contributed and engaged in projects adapting cutting-edge tools including functional near-infrared spectroscopy (fNIRS), machine-learning, and deep-learning.

### Computational Clinical Science Laboratory (PI: Woo-young Ahn)

Seoul, S.Korea

RESEARCH INTERN

Sep. 2019 - Feb. 2020

- Implemented and led a research project on investigating effects of acute stress on consolidated memory associated with reward.
- Engaged in various attempts to broaden the scope to clinical subjects with addiction issues.
- Contributed to a variety of projects that applied machine learning techniques with common themes such as addiction and cognitive bias.

### Laboratory of Social Decision Neuroscience (PI: Hackjin Kim)

Seoul, S.Korea

RESEARCH INTERN

May. 2018 - Aug. 2019

- Designed and implemented research on identifying effects of acute stress on prosocial behavior applying model-free/model-based paradigm, along with physiological data including electrocardiogram (ECG) and cortisol assay.
- Assisted with fMRI studies clarifying neural mechanism of similarity-liking effect, specifically primed with political orientation.

### 2019 Koran Cognitive and Biological Psychology Conference

S.Korea

CONFERENCE STAFF

Feb. 2019

- Served as a staff for 2019 Korean Cognitive and Biological Psychology Conference, which is one of the leading psychology conferences in S.Korea.
- Assisted in organizing the conference.

## Workshop and Conferences

2020 **Attendee**, 2020 Virtual MathPsych & ICCM 2020  
 2020 **Attendee**, 2020 SNU AI Retreat  
 2019 **Attendee**, 2019 OBELAB NIRSIT Seminar  
 2019 **Attendee**, 2019 KHBM Workshop: AFNI Bootcamp

Online due to  
 Corona Pandemic  
 S.Korea  
 S.Korea  
 S.Korea

## Honors & Grants

### INTERNATIONAL

### DOMESTIC

2020 **R-point administrator**, Department of Psychology, Seoul National University  
 2017 **Veritas Scholarship**, Department of Psychology, Korea University  
 2016 **Veritas Scholarship**, Department of Psychology, Korea University

Seoul, S.Korea  
 Seoul, S.Korea  
 Seoul, S.Korea

## Presentation

## Skills and Language

### Skills

#### PYTHON & R & MATLAB & HTML

- Intermediate in Python
- Intermediate in R
- Intermediate in MATLAB
- Intermediate in HTML

### Language

#### KOREAN & ENGLISH & MANDARIN

- Native in Korean
- Fluent in English
- Advanced in Mandarin

## Extracurricular Activity

### International Students Association (AIESEC)

#### MEMBER, DEPARTMENT OF TALENT MANAGEMENT

- Actively engaged in various global experience as a member of Non-profit International Students Association, AIESEC.
- Received training as a TM member and participated in various global conferences in China and Japan.

Seoul, S.Korea

Mar. 2017 - Jan. 2018

### Insight Bubble Challenge, (Adviser: Deuk-hee Han, Chief of Shin-han Future's Lab)

#### TEAM LEADER

- Led a project on promoting cooperation between financial technology startups and Shin-han group mainly on discussing resolution for psycho-social stress.
- Won the 1st prize in Team project competition.

Korea University

May. 2016 - Mar. 2019

### Psychodrama

#### TEAM LEADER & MEMBER

- Performed and participated as a leader in team Psychodrama, an official psychotherapy performance club in Korea University.
- Trained different action methods of psychodrama, often applied in clinical scene, in which clients engage in spontaneous dramatization throughout the performance.
- Led a whole-day workshop program for company executives in MIDAS-IT.

Korea University

May. 2016 - Mar. 2019

### HOP (Hub of People, Educational Volunteering Club)

#### PRESIDENT

- Led and managed volunteering experience for students and local child welfare centers
- Directed mentoring programs for children in Seongbuk-gu Saint Vincent Youth Society.
- Led volunteering projects in cooperation with Korea University Social Service Organization such as local mural volunteering.
- Organized and participated in various activities and events such as welcoming party, weekly dinners, and celebration of Teachers' day.

Department of Psychology, Korea  
 University

Mar. 2016 - Sep. 2017

## **Veritas Scholarship Project (Advising PI: Young-gun Ko)**

*Department of Psychology, Korea  
University*

TEAM LEADER

*Jun. 2016 - Sep. 2017*

- Implemented and led the project with a team targeting alienated children in local society by building an on-line platform to link mentors and mentees.
- Held several events in provision of opportunities of cultural experience for children in cooperation with Seongbuk-gu Office.