

# Jeunghyun Lee

CLINICAL PSYCHOLOGY · NEUROSCIENCE

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## 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

Seoul, S.Korea

M.A. CANDIDATE IN CLINICAL PSYCHOLOGY

Mar. 2020 -

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

### Korea University

Seoul, S.Korea

B.S. IN PSYCHOLOGY AND PUBLIC GOVERNANCE/LEADERSHIP

Mar. 2016 - Feb. 2020

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

### University of Hong Kong (HKU)

Hong Kong, Hong Kong

GLOBAL EXCHANGE STUDENT

Jan. 2018 - June. 2018

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

## Research & Clinical Experience

### Center for Campus Life and Culture

Seoul National University, Korea

CLINICAL TRAINEE, PRACTICAL CONSULTANT

Jan. 2021 - Dec. 2021

- Conducted reception interviews and psychological testings as a clinical trainee
- Conducted individual consulting sessions as a practical consultant

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

Seoul National University, 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 National University, 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)

Korea University, 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 Korean Cognitive and Biological Psychology Conference

Pyeongchnag, 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.

## Academic Services

## Teaching Experience

- Seminar in Psychopathology (TA)
- Topics in Psychological Sciences (TA)
- Advanced data analysis for brain and cognitive sciences: Data collection and statistical analysis for functional MRI (TA)

## Manuscript Review

- Journal of Neuroscience (with advisor)
- Science Reports (with advisor)
- Schizophrenia Research (with advisor)
- International Journal of Obesity (with advisor)

## Workshop and Conferences

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2020	<b>Attendee</b> , 2020 Virtual MathPsych & ICCM 2020	<i>Virtual</i>
2020	<b>Attendee</b> , 2020 SNU AI Retreat	<i>S.Korea</i>
2019	<b>Attendee</b> , 2019 OBELAB NIRSIT Seminar	<i>S.Korea</i>
2019	<b>Attendee</b> , 2019 KHBM Workshop: AFNI Bootcamp	<i>S.Korea</i>

## Honors & Grants

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### INTERNATIONAL

### DOMESTIC

2021	<b>Concurrent Graduate Research Grant in Social Sciences</b> , SNU Foundation	<i>Seoul, S.Korea</i>
	<b>Convergence Graduate Research Grant in BCS</b> , Brain & Cognitive Sciences for Adaptive Intelligence at SNU	<i>Seoul, S.Korea</i>
2020	<b>Scholarships for descendants of national merit</b> , National Foundation for Merit Scholarship	<i>Seoul, S.Korea</i>
2017	<b>Veritas Scholarship</b> , Department of Psychology, Korea University	<i>Seoul, S.Korea</i>
2016	<b>Veritas Scholarship</b> , Department of Psychology, Korea University	<i>Seoul, S.Korea</i>

## Presentation

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## Skills and Language

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### 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

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### Tour to Social Sciences

*Seoul, S.Korea*

#### TEACHING ASSISTANT, COLLEGE OF SOCIAL SCIENCES, SEOUL NATIONAL UNIVERSITY

*Jan, 2021*

- Worked as a teaching assistant for A Tour to Social Sciences, held by the College of Social Sciences.

## R-point SONA system administrator

Seoul, S.Korea

ADMINISTRATOR, DEPARTMENT OF PSYCHOLOGY

Mar. 2020 - Aug. 2021

- Worked as administrator of R-point system, where links researchers and students for participation in psychology experiments
- Managed the SONA online system of the Department of Psychology in overall as an administrator

## International Students Association (AIESEC)

Seoul, S.Korea

MEMBER, DEPARTMENT OF TALENT MANAGEMENT

Mar. 2017 - Jan. 2018

- 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.

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

Korea University

TEAM LEADER

May. 2016 - Mar. 2019

- 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.

## Psychodrama

Korea University

TEAM LEADER & MEMBER

May. 2016 - Mar. 2019

- 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.

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

Department of Psychology, Korea

University

PRESIDENT

Mar. 2016 - Sep. 2017

- 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.

## 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.

## References

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### Prof. Woo-Young Ahn

DEPARTMENT OF PSYCHOLOGY, SEOUL NATIONAL UNIVERSITY

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