

# Nak Won Rim

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## EDUCATION

June 2021 ( <i>Expected</i> )	<b>The University of Chicago</b> , Chicago, IL M.A. in Computational Social Science	GPA: 4.0/4.0 <a href="#">Selected Courseworks</a>
August 2019	<b>Korea University</b> , Seoul, Republic of Korea B.A. in Psychology B.S. in Brain and Cognitive Sciences Graduated with <i>Great Honor</i>	GPA: 4.36/4.5 Major GPA: 4.47/4.5 Major GPA: 4.46/4.5 <a href="#">Selected Courseworks</a>

## RESEARCH EXPERIENCE

August 2019 - Present	Graduate Research Assistant <b>Environmental Neuroscience Lab</b> , The University of Chicago Supervisor: Professor Marc G. <b>Berman</b> <ul style="list-style-type: none"><li>Designed and implemented a new method of eye-tracking data analysis to go beyond the traditional AOI approaches. Authored the manuscript [1].</li><li>Validating the use of BubbleView for the emulation of eye-tracking in psychological studies using virtual labs. Managing web-based experiment and building analysis pipeline. Part of the MA Thesis Project.</li><li>Modeled the relationship between city size and aggregated city-level depression. Used topic models to analyze geo-linked tweets (300k+ tweets). Co-authored the paper [2].</li></ul>
June 2020 - Present	Graduate Research Assistant <b>Knowledge Lab</b> , The University of Chicago Supervisor: Professor James A. <b>Evans</b> <ul style="list-style-type: none"><li>Investigating optimal team compositions for various tasks using multiplayer interactive virtual experiments. Exploring the use of optimization techniques to navigate the multidimensional parameter space of team composition. Co-supervised by Professor Abdullah <b>Almaatouq</b> at MIT Sloan.</li><li>Investigating the relationship between psychologists' cognitive styles/opinions and their positions in the literature space. Building and working with vector space document embedding models and citation embedding models using a large-scale scholarly article dataset (700k+ abstracts, 400k+ citation data).</li></ul>
May 2018 - July 2019	Undergraduate Research Assistant <b>Human Performance Lab</b> , Korea University Supervisor: Professor Yang Seok <b>Cho</b> <ul style="list-style-type: none"><li>Investigated the relationship between cognitive control and monetary reward. Responsible for participant recruitment, design, and execution of the experiment. Also participated in investigating the relationship between cognitive control and threatening context (mild electric shock).</li></ul>

## PREPRINTS

- [1] **Rim, N. W.**, Choe, K. W., Scrivner, C., & Berman, M. G. (2020, August 2). Introducing Point-of-Interest as an alternative to Area-of-Interest for fixation duration analysis. PsyArXiv. <https://doi.org/10.31234/osf.io/q4enb>
- [2] Stier, A. J., Schertz, K. E., **Rim, N. W.**, Cardenas-Iniguez, C., Lahey, B. B., Bettencourt, L. M. A., & Berman, M. G. (2020, August 23). Rethinking Depression in Cities: Evidence and Theory for Lower Rates in Larger Urban Areas. medRxiv. <https://doi.org/10.1101/2020.08.20.20179036>

## ACADEMIC AWARD

2020 - 2021	<b>Financial Aid Award</b> , The University of Chicago
2019 - 2020	<b>Phoenix Research Award</b> , The University of Chicago
2019 - 2020	<b>Dean's Scholarship</b> , The University of Chicago
Fall 2017	<b>Veritas Program Scholarship</b> , Korea University

Last updated: October 25, 2020

## CONFERENCE PRESENTATION

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- [1] **Rim, N. W.**, Kim, Y.-E. & Cho, Y. S. (2018, August) The Effect of Reward on Simon Task Performance. *72th Annual Conference of Korean Psychological Association*, Seoul, Republic of Korea.

## MILITARY SERVICE (OBLIGATORY)

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September 2014 Interpreter / Installation Access System Assistant (honorably discharged as SSgt)  
- September 2016 **Republic of Korea Air Force**, OSAN AB (USAF 51<sup>st</sup> FW / ROKAF AFOC)  
Interpreter for and liaison between the ROKAF and USAF. Interpretation tasks ranged from everyday and informal conversation to technical exchanges about operating the access systems.

## ADDITIONAL TRAINING

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January 2019 Machine Learning via *Coursera*  
MOOC instructed by Professor Andrew Ng of Stanford University

## SKILLS

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Languages	English, Korean
Programming	Python, R, MATLAB
Tools	SQL, L <sup>A</sup> T <sub>E</sub> X, Git, Adobe Photoshop
Platforms	MTurk, Prolific, Qualtrics, Amazon Web Services

## SUPPLEMENTARY: SELECTED COURSEWORK

### M.A. in Computational Social Science The University of Chicago

COURSE	GRADE	CREDITS
Computer Science With Applications 1	A	100
Computer Science With Applications 2	A	100
Large-Scale Computing for the Social Sciences	A	100
Experimental Design II	In Progress	100
Perspectives in Computational Analysis	A	100
Perspectives in Computational Modeling	A	100
Perspectives in Computational Research	A	100
Computational Content Analysis	A	100
Computation and Identification of Cultural Patterns	A	100
Stress and the Social Brain	A	100
Memory and Decision Making	In Progress	100

### B.A. in Psychology & B.S. in Brain and Cognitive Sciences Korea University

[E] denotes lectures taught in English

COURSE	GRADE	CREDIT HRS
<b>Department of Psychology</b>		
Cognitive Neuroscience [E]	A+	3
Behavioral Neuroscience	A+	3
Cognitive Psychology	A+	3
Biological Psychology [E]	A+	3
Learning and Memory [E]	A+	3
Sensation and Perception [E]	A+	3
Psychology of Decision Making [E]	A+	3
User Experience and Psychology [E]	A+	3
<b>Department of Computer Science and Engineering</b>		
Discrete Mathematics [E]	A+	3
Algorithms [E]	A+	3
Engineering Mathematics [E]	A+	3
Probability and Random Process	A	3
Theory of Computation [E]	A+	3
<b>Department of Life Science</b>		
Neurobiology [E]	A+	3
Systems Neuroscience [E]	A+	3
<b>Brain and Cognitive Sciences Program</b>		
Physics for Life Science	A+	3
Introduction to Brain and Medical Engineering [E]	A+	3