Yoonseo Zoh

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EDUCATION

- **Princeton University** — Princeton, NJ, USA
  PhD student in Psychology, Cognitive area
  Statistics and Machine Learning Certificate program — *Aug. 2022 – present*

  M.A. in Psychology, Cognitive area
  Advisor : M.J. Crockett
  Thesis committee : Tania Lombrozo, Tom Griffiths
  thesis title: Intuitive Theories in Moral Cognition
  : Sources and Mechanisms of Heterogeneity in Moral Evaluation

- **Yale University** — New Haven, CT, USA
  M.S., M.phil. in Psychology, Neuroscience area — *Aug. 2020 – Aug. 2022*

  Advisor : Molly J. Crockett, Steve W.C. Chang

- **Seoul National University** — Seoul, Korea
  B.A., Double Major ; Psychology and Education
  Summa cum laude — *Mar. 2013 – Feb. 2018*

ADDITIONAL EDUCATION

- **Neuroeconomics Summer School** — University of Pennsylvania, PA, USA
  Selected attendee — *Jul. 2023*

- **Boston College** — Chestnut Hill, MA, USA
  Exchange Student — *Aug. 2015 – May. 2016*

RESEARCH EXPERIENCE

- **Computational Clinical Science Lab (PI : Dr. Woo-Young Ahn)** — Seoul National University
  Lab Manager / Research Assistant — *Jan 2018 - Apr 2020*

- **Social Psychology Lab (PI : Dr. Incheol Choi)** — Seoul National University
  Undergraduate Research Assistant — *Jan 2017 - Dec 2017*

PUBLICATIONS

Zoh, Y., , Yu, H., Contreras-Huertas, L.S., Prosser, A.M.B., Apps, M., Sinnott-Armstrong, W., Apps, M., Chang, S.W.C., Crockett, M.J., Instrumental harm and impartial beneficence distinctively frame cognitive representations of moral decision problems. (2025). *Journal of Experimental Psychology: General.*

Zoh, Y., Paul, L., Crockett, M.J., How evaluability bias shapes transforamtive decisions. (2024). *Synthese.*

Schooler, L., Okhan, M., Hollander, S., Gill, M., **Zoh, YS.**, Crockett, M.J., Yu, Hongbo., Confidence in Moral Decision-Making. (2024). *Collabra: Psychology.*

Kim, H., Hur, JK., Kim, S., **Zoh, Y.**, Ahn, WY, Causal role of the dorsolateral prefrontal cortex in modulating the balance between Pavlovian and instrumental systems in the punishment domain. (2023). *Plos one.*

Zoh, Y., Chang, S.W.C.*, Crockett, M.J.* Prefrontal cortex and (uniquely) human cooperation. (2022). *Neuropsychopharmacology.*

Everett, J.A.C., Colombatto, C., ..., **Zoh, Y.**, Crockett, M.J. (2021). Moral dilemmas and trust in leaders during a global health crisis. *Nature Human behaviour.*

Papers Under Review

Zoh, Y., Shin, Y., Carlson, R.W., Chang, S.W.C., Crockett, M.J., Historical principles in distributive decision-making are common, politically variable and malleable.

Zoh, Y., Kim, S., Kim, H., Crockett, M.J., Ahn, WY. Decomposing neurocomputational mechanism underlying Rawlsian moral preference.

Carlson, R.W., **Zoh, Y.**, Morris, A., Crockett, M.J., Quantifying accuracy and bias in motive introspection.

Talks

Zoh, Y., Crockett, M.J., A resource-rational analysis of moral character representation. (2025, Oct). Cognitive Seminar Talk, Psychology Department, Princeton University.

Zoh, Y., Yu, H., Contreras-Huertas, L.S., Prosser, A.M.B., Apps, M., Sinnott-Armstrong, W., Apps, M., Divergent intuitive theories of moral values predicts dissimilar behavioral and neural responses in moral cognition (2024, Nov) Cognitive Seminar Talk, Psychology Department, Princeton University.

Zoh, Y., Paul, L., Crockett, M.J., How evaluability bias shapes transforamtive decisions. (2024, June). 50th annual meeting of the Society for Philosophy and Psychology at Purdue University.

Zoh, Y., Paul, L., Crockett, M.J., How evaluability bias shapes transforamtive decisions. (2024, February). Cognitive Seminar Talk, Psychology Department, Princeton University .

Zoh, Y., Carlson, R.W., Chang, S.W.C., Crockett, M.J. (2023, Apr) Malleability in evaluating external and internal factors for distributive decision-making. Cognitive Seminar Talk, Psychology Department, Princeton University.

Zoh, Y., Yu, H., Contreras-Huertas, L.S., Prosser, A.M.B., Apps, M., Sinnott-Armstrong, W., Apps, M., Chang, S.W.C., Crockett, M.J. (2022, Aug) Behavioral and neural evidence for a two-dimensional model of utilitarianism. invited talk at the 3rd joint meeting of the SPP and ESPP.

Zoh, Y., Carlson, R.W., Chang, S.W.C., Crockett, M.J. (2022, Apr) Who deserves more?: Balancing need and effort in distributive decision-making. Current Works in Behavior, Genetics and Neuroscience, Psychology Department, Yale University.

Zoh, Y., Yu, H., Contreras-Huertas, L.S., Prosser, A.M.B., Apps, M., Sinnott-Armstrong, W., Apps, M., Chang, S.W.C., Crockett, M.J. (2021, Sep) Behavioral and neural evidence for a two-dimensional model of utilitarianism. First-Year graduate student symposium, Psychology Department, Yale University .

Poster Presentations

Zoh, Y., Yu, H., Contreras-Huertas, L.S., Prosser, A.M.B., Apps, M., Sinnott-Armstrong, W., Apps, M., Chang, S.W.C.*, Crockett, M.J.* (2022, Feb). Behavioral and neural evidence for a two-dimensional model of utilitarianism. presented at the SPSP 2021 Justice and Morality pre-conference.

Zoh, Y., Yu, H., Contreras-Huertas, L.S., Prosser, A.M.B., Apps, M., Sinnott-Armstrong, W., Apps, M., Chang, S.W.C.*, Crockett, M.J.* (2021, Dec). Behavioral and neural evidence for a two-dimensional model of utilitarianism. presented at the S4SN virtual meeting.

Zoh, Y., Yu, H., Contreras-Huertas, L.S., Prosser, A.M.B., Apps, M., Sinnott-Armstrong, W., Apps, M., Chang, S.W.C.*, Crockett, M.J.* (2021, Oct). Behavioral and neural evidence for a two-dimensional model of utilitarianism. presented at the Society For Neuroeconomics virtual meeting.

Zoh, Y., Kim, SY., Kim, HJ., Crockett, M.J., Ahn, WY.(2020, Oct). Neurocomputational mechanism underlying Rawlsian moral preference. presented at the Society For Neuroeconomics virtual meeting.

Zoh, Y., Kim, HJ., Kim, SY., Ahn, WY.(2019, Oct). Whose pain matters more? : neurocomputational mechanism underlying other-harm involved moral dilemma. presented at the Society For Neuroeconomics, Dublin

Zoh, Y., Cunningham, WA., Lu, ZL., Li, X., Ahn, WY.(2019, May). Differential neural response to social cognition and emotional processing predicts commonalities and differences between political ideologies and partisanship. presented at the Annual Conference of Korean Society of Cognitive Science, Seoul

Honors and Awards

- **The Graduate Research Support** — Princeton University
  Program in Cognitive Science — July 2025

- **Travel Award** — Society for Philosophy and Psychology
  50th annual meeting of the Society for Philosophy and Psychology at Purdue University — June 2024

- **The Graduate Research Support** — Princeton University
  Program in Cognitive Science — June 2024

- **Exemplar Mentor Award** — Princeton University
  McGraw Center for Teaching and Learning — May 2024

- **The G. Mason Morfit '97 Fellowship** — Princeton University
  Kahneman-Treisman Center for Behavioral Science & Public Policy — 2023- 2024 Academic Year

- **Yale University Gradualte Fellowship** — 2020 - 2021

- **Scholarship for Doctoral Study Abroad Program** — Korea Foundation for Advanced Studies
  Fellowship for prospective Ph.D. students — Sep 2019 - 2025

- **Interdisciplinary Research Grant (PI : Dr. Woo-Young Ahn)** — Seoul National University
  Funding for research on neurocomputational mechanism of moral decision-making — July 2019 - 2020

- **Best Poster Presentation Award** — Korean Society for Cognitive Science
  Presented at Annual Conference of Korean Society for Cognitive Science — May 2019

- **Graduation with honors** — Seoul National University
  Summa cum laude — *Feb 2018*

- **Superior Academic Performance undergraduate scholarship** — *March - Dec 2014*

Teaching Experience

Introduction to Psychology — NJ Prison, Princeton Prison Teaching Initiative
Main instructor, team teaching — *2025 Spring*

Psychology of Justice — NJ Prison, Princeton Prison Teaching Initiative
Main instructor, team teaching — *2024 Spring*

Neuroeconomics (PSY/NEU 340) — Princeton University
With Dr. Nathaniel Daw — *2023 Fall*

Social Psychology (PSY 252) — Princeton University
With Dr. Rebecca Carey — *2023 Spring*

Learning and Memory (PSYC 376) — Yale University
With Dr. Samuel McDougle — *2022 Spring*

Statistics (PSYC 200) — Yale University
With Dr. Dylan Gee — *2021 Fall*

Academic Service

- **Course Development / Service Teaching**
  Introduction to Psycholpogy course, accredited by Raritan Community College to be taught in New Jersey prison
  Psychology of Justice course, accredited by Rutgers University to be taught in New Jersey prison
  Prison Teaching Initiative, Princeton University

- **Departmental Committee**
  Teaching and Pedagogy Committee, Princeton University
  Current Works in Behavior, Genetics and Neuroscience, Yale University

- **Ad-hoc reviewer**
  Cognition, Frontiers in Psychology, Psychological Science, eLife, Trends in Cognitive Sciences, Scientific Reports

- **Open and Reproducible Science Committee**
  S4SN 2021

Mentoring

Undergraduate Thesis Students
  Charlotte Austin (Cardiff university)
  Lydia Schooler (Yale University)
  Grace Oh (Princeton University)
  Layka Traore (Princeton University)

Lab Managers/ Research Assistants
  Tori Levier
  Kayla Lihardo

LANGUAGES

- **Python, R, Stan, MATLAB, Javascript, HTML**
  proficient coding and data analysis skills for developing customized decision-making task interfaces, collecting data, and conducting analyses using computational and statistical models.

REFERENCES

- **Dr. Molly J. Crockett**
  Professor of Psychology, Princeton University
  Email: mj.crockett@princeton.edu

- **Dr. Steve W.C. Chang**
  Associate Professor of Psychology, Yale University
  Email: steve.chang@yale.edu