Yoonseo Zoh

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EDUCATION

Seoul National University — Seoul, Korea
BA, Double Major ; Psychology and Education — *Mar. 2013 – Feb. 2018*
Summa cum laude ; GPA: 4.19 / 4.3 (97.9 / 100)
ranked No.1 from the top among 14 students in the dept

Boston College — Chestnuthill, MA
Exchange Student; GPA: 3.88 / 4.0 — *Aug. 2015 – May. 2016*

RESEARCH INTEREST

- **Social Neuroscience**:
  - **Social Decision Making**: How do we perceive and consider others' feelings and thoughts? How does this perception change due to learning from others' reactions? And how do we use these information to make social decisions?

  - **Moral cognition**: Why do people sometimes fail to see, or choose to dismiss, the ramifications of their own behaviors on others? How does human mind shift from being caring and altruistic to being atrocious and selfish? What are the neural underpinnings of different modalities for considering other people's minds and reconciling the self and others' interests?

  - **Empathy**: How do we actively modulate the degree to which we engage with others? What are the motivations driving us beyond self-interest to connect with others? How can we use the findings from social neuroscience to build and promote healthy social connections?

- **Methodology**:
  - Computational modeling, Model-based fMRI, Multi voxel pattern analysis, Brain stimulation methods(tDCS, TMS)

RESEARCH EXPERIENCE

Computational Clinical Science Lab (PI : Dr. Woo-Young Ahn) — Seoul National University
- *Lab Manager* — *Sep 2018 - Present*
  Full time Research Assistant — *Jan 2018 - Aug 2018*
  - Investigate how to predict people´s political orientation with machine learning technique, using fMRI-data on the tasks of theory of mind and emotional processing
  - Build a **Nipype** workflow of fMRI data analysis
  - Add Kalman filter and a probability weight function to **hBayesDM** (R package for Bayesian hierarchical modeling)
  - Manage lab IRBs
  - Lead behavioral data collection
  - Manage undergraduate assistants
  - Recruit and screen subjects
  - Coordinate lab's events and budgets
  - Create and maintain a website for an international conference on cognitive neuroscience
  - Give oral presentations at lab meetings on papers of interest
  - Investigated the difference between sexual orientation in peer influence on making risky choices
  - Organized and led the study group for Bayesian statistics, R programming, Python Programming, and fMRI analysis with Python
  - Reviewed and proposed behavioral tasks to measure one's comparative valuation of social vs. monetary reward

- **Neurogazer (Director : Dr. Daeyeol lee)**　　　　　　　Seoul, Korea
  Part time Research Assistant　　　　　　　　　　　　　Jul 2018 - Present
    - Assist behavioral and fMRI data acquisition
    - Inform and obtain written consent from research subjects

- **Social Psychology Lab (PI : Dr. Incheol Choi)**　　Seoul National University
  Undergraduate Research Assistant　　　　　　　　　　　Jan 2017 - Dec 2017
    - Conducted research for senior thesis
      : Licensing Effect of Moral Condemnation across Moral Domains

      Designed questionnaire with Qualtrics and collected data through Amazon Mturk
    - Reviewed literature on licensing effect of recollecting past eudaimonic deeds
    - Coded open-end survey question responses
    - Attended weekly lab meetings
    - Assisted behavioral and survey data acquisition

- **Undergraduate Research Competition for Future Education Design**　Seoul National University
  Team Project member　　　　　　　　　　　　　　　　Sep 2014 - May 2015
    - Gave poster presentation and won the first prize
    - Collected survey data and analyzed them using SPSS
    - Designed and proposed a career education system using social media platform

Honors and Awards

- **Graduation with honors (Summa cum laude)**　　　　　　*Feb 2018*
- **First prize in Undergraduate Research Competition for Future Education Design**　　*Feb 2015*
- **Superior Academic Performance undergraduate scholarship**　　*Sep 2014*
- **Superior Academic Performance undergraduate scholarship**　　*March 2014*

Teaching Experience

Hold Teacher's License in Education ; Certified by the Ministry of Education, Science and Technology of Korea

- **Solnamu Community Children's center**　　　　　　　　Seoul, Korea
  Volunteer teacher; motivated and helped learning of inner-city students　　Jul - Aug 2017
- **Student Teacher at Sewha Girl's Middle school**　　　　Seoul, Korea
  Career education teacher; offered 18 hours of lessons and activities on the importance　　May 2017 - June 2017
  of occupational values and how to plan the career path, practiced class management and
  student counseling
- **Student Teacher at SNU affiliated Elementary School**　　Seoul, Korea
  Teacher aide; assisted group activities, helped students who need extra instruction　　May 2017
- **Kkulbaksa, Online Learning Support System by Seoul Office of Education**　　Seoul, Korea
  Volunteer online study Mentor; answered to the students' questions and gave comments on　　Sep 2016 - Nov 2016
  students' discussions on social issues

Academic Service

- **Ad-hoc reviewer**
  Frontiers in Psychology (with advisor Dr. Woo-Young Ahn)

Language Proficiency

Fluent in **English** *and Native in* **Korean**

- **New GRE**: Verbal (168, 98%), Quantitative (166, 90%), Writing(4.5, 82%)
- **IBT TOEFL**: 108, (Reading : 29, Listening : 30, Speaking : 24, Writing : 25)

Skills

- **Research Tools**:
  - **Python**: Nipype, Nilearn, Pandas, Numpy, Matplotlib, Scikit-learn
  - **R**: Rstan, ggplot2, dplyr, R markdown
  - **MATLAB**: SPM12
  - **Stan**
  - **LaTeX**
  - **SPSS**

- **Softwares**:
  - **Microsoft Office**: Powerpoint, Excel, Word
  - **Adobe Photoshop**
  - **Adobe Premier Pro**