C: 617-259-8854   **Chengsi Yi**   yic@ufl.edu

Education

2022-present – **Ph.D. in Psychology**, University of Florida

- Advisor: Dr. Steve Weisberg

2020-2022 – **Master of Arts in Psychology**, Boston University

- Advisor: Dr. Joseph McGuire
- Thesis title: Involvement of dorsal lateral prefrontal cortical regions in navigation in overlapping environments.

2016-2020 – **B.Sc. (Honors) in Applied Psychology**, Beijing Normal University – Hong Kong Baptist University United International College (BNU-HKBU UIC)

- Advisor: Dr. Raine Chen Rongrong
- Thesis title: Playing action video games enhances spatial cognition? Evidence from a training study with both Mental Rotation and Paper Folding tasks tested.

2019.7-2019.8 – **Summer School: Managing Performance in Organizations: An Applied Psychology Perspective** , Nanyang Technological University (NTU)

- Relevant coursework: Industrial/Organization Psychology, Group Dynamic

Positions and Employment

2022-Present – Research Assistant, Cognitive Neuroimaging Lab, Boston University

PI: Dr. Chantal E. Stern

- Composed lab instructions for fMRI data univariate analysis based on FSL/FEAT.
- In charge of modifying and piloting the coin foraging task with irregular-shaped walls and visual obstruction (exponential fog with adjustable density), aiming at discovering the factors leads to human's adherence to the boundary during an open field exploration/foraging task.

2020-2022 – Graduate Research Assistant, Cognition and Decision Lab, Boston University

PI: Dr. Joseph McGuire

- Restructured behavior data from a piloting human coin foraging task via Rstudio by resampling and discretizing the human trajectories into steps defined by turning angles. The step lengths distributions were fitted across multiple models,
- Assisted in fMRI scan, including MRI security check, MRI parameter registration, head coil and eye-tracker calibration, and scanning initiation/closure.

- Involved in preprocessing (fMRIprep) and analyzing fMRI signals (Univariate analysis via FEAT) from a previous maze navigation task.

Leadership & Volunteer Activities

2019.8-2019.10 Student Intern, Psychiatry and Psychosomatic medicine Department, Anshun 303 Hospital

- Assisted with building up patients' profiles and collated medical records and ward rounding.
- Assisted with consulting, psychometric testing, and drug prescription.

2018.6-2018.7 Student Volunteer, Hong Kong Psychiatry and Integrated Medical Centre

- Assisted with recording case notes during intake and routine sessions
- Created videos and pamphlets for public mental health campaigns and education.

2017-2019 Vice President, BNU-HKBU UIC Golf Club

- Responsible for holding recruiting events and setting tutorials for new club members.
- Invited local golf experts for master classes and coordinated golf courses for several field training.

Conference presentations

1. **Yi, C.**, Lee, Y. (2022). Exploring the Effect of Navigation Tool Design on Virtual Environment's Navigation and Revisiting Experience. In The 18th ACM SIGGRAPH International Conference on Virtual-Reality Continuum and its Applications in Industry (VRCAI 22)

2. **Yi, C.**, Lee, Y. (2022) Exploring the Effect of Dynamic Lines Navigation Aid on Navigating and Revisiting in a Complex Virtual Environment. Poster at SUI 2022: ACM Spatial User Interaction.

3. Moore, K.N., **Yi, C.**, Dunne, M.F., Stern, C., & McGuire, J.T. (2022). Virtual Human Foraging Efficiency and Parameter Estimation for Heavy-Tailed Search. Poster at the annual meeting of the Society for Neuroscience (Virtual).

4. Moore, K.N., **Yi, C.**, Dunne, M.F., Stern, C., & McGuire, J.T. (2021). Virtual human foraging behavior follows predictions for heavy-tailed search. Poster at the annual meeting of the Society for Neuroscience (Virtual).

5. **Yi, C.**, & Chen, R. (2020). Playing action video games enhances spatial cognition? Evidence from a training study with both Mental Rotation and Paper Folding tasks tested. Poster at the Association for Psychological Science Annual Convention (Virtual). [Outstanding Performance Award in the Eighth Science & Technology Poster Presentation at UIC]

Skills

Statistics and Programming: R; Python; MATLAB; Unix (Research Computing Service command)

Neuroimaging and Analysis: Siemens 3T Prisma Scanner; EyeLink 1000 Plus Eye-tracker; fMRIPrep; FSL

Visualization: Adobe Photoshop, Illustrator, After Effect, and Premiere; Unreal Engine 4; Blender; Vizard 6

Languages: Chinese (native); English (fluent)