

OBJECTIVE

Concepts, Spatial Cognition, Decision Making, Learning, Consciousness, Computational Methods

EDUCATION

M.S. Experimental Psychology, Texas A&M University, College Station, TX December 2022
Cognitive Psychology, Thesis

B.A. Psychology, University of Waterloo, Ontario, Canada June 2020
Minor in Philosophy, Cognitive Science

RESEARCH EXPERIENCE

Spatial Thinking & STEM Learning Lab, Texas A&M University 2020 - Present
PI: Dr. Heather Burte
Roles: Graduate Assistant & Researcher

- *Master's Thesis*: Relationship between Perspective Taking with Space and People.
 - Designed and conducted research to examine the use of perspective taking ability in spatial and social (mentalizing) context.
- Research into evaluating North pointing ability using photographs of the Texas A&M University Campus.
- Assisted in formulation of discussion topics and experiments for a Human Cognitive Processes course as part of a Presidential Transformational Teaching Grant project.

Human Brain Processes During Complex Locomotor Navigation, Texas A&M University 2021 - 2022
PI: Dr. Andrew Nordin & Dr. Heather Burte
Roles: Graduate Researcher

- Research into how the brain is able to process information for navigating complex terrain.
- Develop new methods for wirelessly measuring human brain and body dynamics during gait.
- Directed and trained 3 undergraduate research assistants to develop computerized experiments.

Britt Anderson Group, University of Waterloo 2018 - 2020
PI: Dr. Britt Anderson
Roles: Research Assistant, Undergraduate Researcher

- *Undergraduate Thesis*: Mental Model Updating and Pupil Response.
 - Designed and conducted research on pupillary response to belief change.
- Assisted in two experiments that contributed to Masters theses.

TEACHING EXPERIENCE

Texas A&M University 2021 - 2022
Graduate Teaching Assistant, 4 Semesters

- Assisted and instructed labs for undergraduate psychology statistics and research methods courses.

Lab Trainer, 2.5 Semesters

- Trained, up to 9, undergraduate research assistants in the Spatial Thinking & STEM Learning Lab.
- Introductory R Tutorial.

LEARNING EXPERIENCE

Fall 2021 Basic Training Course on Gait Analysis and Research with the M-Gait, Motek
Summer 2021 Computational Neuroscience, Neuromatch Academy

TECHNICAL SKILLS

Programming: R, Python
Software & Tools: Qualtrics, Psychopy, FSL, Linux, Command Line, git, \LaTeX
Hardware: **Eye Tracking:** CRS ltd. LiveTrack, SR Research EyeLink 1000 Plus
Gait Tracking: Motek M-Gait
Languages: English, Korean

PUBLICATION

Park. S., Watanabe. B., Burte. H., (in-preparation). Title: TBD. *Paper submitted to the CogSci 2023 Annual Conference.*
Park. S., Watanabe. B., Burte. H., (2022). Perspective taking and reference frames for spatial and social cognition. *Paper submitted to the CogSci 2022 Annual Conference.*

PRESENTATION

Park. S., Watanabe. B., Burte. H., (2022). Is Mentalizing Related to Spatial Perspective-Taking? *Poster presented at the Psychonomic Society 2022 Annual Meeting.*
Park. S., Watanabe. B., Burte. H., (2022). Perspective taking and reference frames for spatial and social cognition. *Poster presented to the CogSci 2022 Annual Conference.*
Nutalapati. N., Raina. Y., Watanabe. B., **Park. S.**, & Burte. H., (2022). How well do you know your campus? A pilot study examining the relationship between anxiety and spatial ability. *Poster presented at the Texas A&M University Student Research Week 2022.*
Park. S., Watanabe. B., Burte. H., (2021). Individual Differences in Perspective Taking for Spatial And Social Cognition. *Poster presented at the Psychonomic Society 2021 Annual Meeting.*
Park. S., Watanabe. B., Burte. H., (2021). Reference Frames for Spatial and Social Thinking: Individual Differences in Strategy Use. *Poster presented at the SPATIAL COGNITION 2020/1 Conference.*
Park. S., Watanabe. B., Burte. H., (2021). Being good at taking people's spatial perspective might not necessarily mean you are good at "taking their perspective". *Poster presented at the Texas A&M University Psychological and Brain Sciences: 2nd Year (Ph. D) Poster Session 2021.*
Deshpande. T., **Park. S.**, Burte. H., (2021). Pointing North Online: Using photographs of known environments to evaluate north pointing accuracy. *Poster presented at the CogSci 2021 Annual Conference.*
Park. S., Anderson. B., (2020). Mental Model Updating and Pupil Response. *Poster presented at the Virtual Psychonomics 2020 Annual Meeting.*

WORK AUTHORIZATION

Eligible to work in the U.S. without sponsorship for 36 months with Optional Practical Training (OPT).