

## OBJECTIVE

---

## EDUCATION

---

**Texas A&M University**, College Station, TX December 2022  
*Master of Science in Experimental Psychology, with Thesis*

**University of Waterloo**, Ontario, Canada June 2020  
*Bachelor of Arts in Psychology, 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 Master's 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 per semester 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).