

# SUNGJOON PARK

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## EDUCATION

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**University of Waterloo, Canada**

*Sept 2013 - Dec 2019*

*Bachelor of Arts in Psychology*

*Minor in Philosophy*

*Minor in Cognitive Science*

## RESEARCH INTEREST

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Mental Model (belief) Updating, Decision Making, Reinforcement Learning, Computational Methods, Consciousness

## TECHNICAL SKILLS

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**Programming:** Python, R

**Software & Tools:** **Python:** Psychopy, Pandas

**R:** Tidyverse, ggPlot2, lme4

**Others:** Linux, Terminal, git, Microsoft Office, L<sup>A</sup>T<sub>E</sub>X

**Languages:** English, Korean

## PROJECTS (ALL AVAILABLE IN GITHUB)

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### **Mental Model Updating and Pupil Response (Work in Progress)**

- Undergraduate Thesis Project (Supervisor: Dr. Britt Anderson)
- Investigate the relationship between mental model updating, confidence and pupil response
- Implementation of CRS Ltd. LiveTrack eye tracking system
- Experiment independently coded with Python (Psychopy)
- R data cleaning, preprocessing and analysis

### **Mixed Effect Linear Modeling With Wisdom Diary Data**

- A directed studies project (Supervisors: Dr. Igro Grossmann, and Dr. Anna Dorfman)
- Exploratory data analysis of a data set from a diary study which investigated how people internalize events when writing a diary in a self-centered (first person) or a self-distanced (third person) perspective
- Focused on the application of R and the lme4 package
- Applied semantics (polarity) analysis with qdap package

## WORK/SERVICE EXPERIENCE

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**Britt Anderson Group, University of Waterloo**

*Sept 2018 - Present*

*Research Assistant*

- Performing experimental protocol, collecting data (operating SR Research EyeLink 1000 Plus), and assisting in data analysis.
- Troubleshooting hardware (eye tracker, monitor display)
- Troubleshooting code (Python, R)

**The 26th Armoured Battalion, Republic of Korea Army**

*Dec 2015 - Sept 2017*

*Logistics Transportation and Translator*

- Operating military trucks.
- Field translation during joint U.S.A. and South Korean military exercises.
- Translating Korean documents to English.
- Live translation for foreign delegates.