

# 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)
- Implementation of CRS Ltd. LiveTrack eye tracking system
- Experiment independently coded with Python (Psychopy)
- R data cleaning, preprocessing and analysis (lme4, tidyverse, data.table)

### Mixed Effect Linear Modeling With Wisdom Diary Data

- A directed studies project (Supervisors: Dr. Igro Grossmann, and Dr. Anna Dorfman)
- Cleaning and exploratory data analysis of a data set from a diary study
- 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*

- Conducting experimental protocol and collecting data (operating SR Research EyeLink 1000 Plus).
- 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.