WANITCHAYA POONPATANAPRICHA

5346 S. Cornell Avenue, Chicago, IL 60615 | (312) 539-9295 | wanitchaya@uchicago.edu | https://wanitchayap.netlify.com/

TECHNICAL SKILLS PROFILE

- Interests: Consulting, Decision Science, Social Science Research, Natural Language Processing, Computational Methods
- Programming: R, Python, SQL, C, Git/Github, Linux, QGIS, GeoDa, LaTeX, HTML; MS Office Suite
- Data Analysis Skills: Statistical Modelling, Text Analysis, Data Mining, Data Visualization, Neural Network, Machine Learning

EDUCATION

The University of Chicago, Chicago, Illinois
Master of Arts in Computational Social Sciences, GPA: 4.00/4.00, Expected: June 2021
Bachelor of Arts in Psychology (with Honors), GPA: 4.00/4.00; Expected: June 2020

Relevant Coursework
Intro to Computer Science, Computer Science with Applications, Discrete Mathematics, Computational Linguistics, Perspectives on Computational Analysis & Modelling, Applied Regression Analysis, Analysis of Categorical Data, Introduction to GIS and Spatial Analysis

SELECT COMPUTATIONAL PROJECT

Contextual vs Universal Meanings of Emoji: A Case Study on #MeToo vs 2016 US Election Tweets
- The project utilized Python to statistically explore the contextual and universal meanings of emoji in tweets using the skip-gram neural embedding model
- The project demonstrated varying degrees in how much each emoji's meaning was composed of its universal meaning versus its contextual meaning, raising concerns on how most of the current emoji-related NLP tasks inappropriately treat emoji's meanings

RESEARCH AND TEACHING EXPERIENCE

Teaching Assistant, The University of Chicago, October 2019 - Present
- Department of Computer Science; Computer Science with Application 1 - 2 (Python), Fall 2019 – Present
- Division of the Social Sciences; Computing for the Social Sciences (R), Fall 2019

Undergraduate Researcher, Behavioral Biology Lab, The University of Chicago, December 2017 – September 2019
- Conducted and authored Honors Thesis on psychological and physiological study of stress associated with relationship formation
- Led human participants through biopsychological studies
- Conducted Enzyme-linked Immunosorbent Assay (ELISA) on cortisol and testosterone
- Analyzed rich datasets including hormonal, cognitive, and behavioral data
- Analyzed data for an exploratory study about social interactions using eye tracking software focusing on aggression and violence
- *Accomplishments: Selected as a recipient of the Earl R. Franklin Research Fellowship and the Dean's Fund for Undergraduate Research; Awarded Top Poster Presentation in Psychology at the Chicago Area Undergraduate Research Symposium (2019)*

Undergraduate Researcher, Department of Psychology, The University of Chicago, January 2018 – April 2018
- Authored full research manuscript on effects of gender stereotype on empathy utilizing gender priming technique
- Created experimental materials, recruited 150+ participants, collected data, and statistically analyzed the data using R
- *Accomplishments: Selected as one of the oral presenters at the Chicago Area Undergraduate Research Symposium (2018)*

Undergraduate Research Assistant, Child Neurosuite, The University of Chicago, April 2017 – April 2018
- Verified the accuracy of the database of 1,000+ children's experiment data from 11 countries about moral development
- Assisted with preparation for experiments, including observing subjects and recording raw data during experiments

Researcher, Thailand Development Research Institute, Bangkok, Thailand, June 2017 – August 2017
- Planned questions for, maintained accurate records of, and wrote case studies from interviewing Vietnam's government agencies, Thai businesses in Vietnam, and other relevant subjects during research trip in Vietnam
- *Publications*: **Poonpatanapricha, W.**, Rattanakhamfu, S. 2017. Report on Investment Climate and Potential Investment Industries in The Philippines. *Thailand Overseas Investment Center.* | **Poonpatanapricha, W.**, Rattanakhamfu, S. 2017. Report on Investment Climate and Potential Investment Industries in Vietnam. *Thailand Overseas Investment Center.* | Rattanakhamfu, S., **Poonpatanapricha, W.** 2017. Thai Investors' Opportunities and Concerns in Agro-processing Industry in the Philippines. *Thailand Overseas Investment Center.* | **Poonpatanapricha, W.**, Rattanakhamfu, S. 2017. Thai Investors' Opportunities and Concerns in Food and Beverage Industry in Vietnam.

OTHER EXPERIENCES & HONORS

Odyssey Scholar & University Grant – Full Tuition with Stipends; Merit & Needs-based Scholarships (2016 – 2020)
Jeff Metcalf Fellowship (Internship) Grant (2017, 2018, 2019)
The University of Chicago Press, Subscription Fulfillment Student Assistant, January 2017 – June 2017
Happy Parenting Books Publisher, Bangkok, Fulfillment Position / Facebook Page Administrator, April 2016 – September 2016