

EDUCATION

Georgia Institute of Technology **Atlanta, USA**
Cognitive and Brain Science, School of Psychology (STEM Discipline), Doctoral Candidate 08/2023 - present
Comprehensive (Qualifying) Exams – Completed by September 15, 2025
Minor in Computer Science
Coursework: Statistic I/II, Computational Data Analysis, Data and Visual Analytics, Machine Learning, Research Method, Neuroimage. Cognitive Neuroscience. Regression.

Syracuse University **Syracuse, USA**
Clinical Mental Health Counseling, Master of Science 08/2019-5/2022
Coursework: Research Methods, Theories of Counseling, Group Work in Counseling, Foundations of mental health counseling, Crisis Counseling, Psychological Diagnosis, treatment and psychopharmacology, and Internship

Hong Kong Baptist University **Zhuhai/Hongkong, China**
Applied Psychology, Bachelor of Science (Honors) 09/2014 - 06/2018
Coursework: Experimental Psychology, Statistical theory, Computer-Aided Data Analysis, Counseling Psychology, Cognitive Psychology, Psychological Assessment and Testing, and Abnormal Psychology
Dissertation: “The Effect of Anxiety Sensitivity and Its Lower-order Anxiety Sensitivity Factors on Generalized Anxiety Disorder Tendency in China College Students.”

SKILLS

Programming & Computational Tools: R, Python, MATLAB, SQL, GitHub, Java, LaTeX, PsychoPy, SPSS, RevMan, Qualtrics, Tableau, Microsoft Excel

Neuroimaging Modalities: fMRI, sMRI, EEG

Neuroimaging Analysis Toolkits: FSL, FreeSurfer, ANTs, AFNI, MRIQC, fMRIPrep, Nipype, GLMsingle, GingerALE, SDM, MNE

Quantitative & Modeling Expertise: Statistical modeling; Machine learning; Computational modeling (e.g., Bayesian inference, latent growth models); Advanced statistical methods (e.g., SEM, multilevel modeling, time-varying effect modeling); Psychometric analysis; Experimental design; Data visualization; Signal processing

Research & Communication: Scientific writing; Research communication; Public speaking; Data interpretation and presentation

Languages: Chinese (native), English (fluent), Japanese (basic)

PUBLICATION

Peer-reviewed Publications

- [1]. Ou, Y., Zhang, P., Yu, J., Li, M., Su, S., Zhang, M., **Feng, R.**, Sun, F., & Wu, J. (2025). *The application of the BERTopic model in natural language processing: In-depth text topic modeling*. In Proceedings of the 2025 5th International Conference on Consumer Electronics and Computer Engineering (ICCECE) (pp. 793–796). IEEE. <https://doi.org/10.1109/ICCECE65250.2025.10984639>
- [2]. **Feng, R.**, Mishra, V., Hao, X., & Verhaeghen, P. (2024). The Association Between Mindfulness, Psychological Flexibility, and Rumination in Predicting Mental Health and Well-Being Among University Students Using Machine Learning and Structural Equation Modeling. *Machine Learning with Applications*, 100614. <https://doi.org/10.1016/j.mlwa.2024.100614>
- [3]. Razza, R., Liu, Q., **Feng, R.** Hao, X., Kirkman, K., & Merrin, G. J. (in press). Cultivating adolescents’ self-compassion through mindfulness: The role of self-regulation at both the individual- and classroom-level. *Contemporary School Psychology*.
- [4]. Wang, Q., Wu, Y., **Feng, R.**, Hao, X., Felver, J. C., Zhang, Y., & Razza, R. (2024). Adaptation and Validation of the Mindful Student Questionnaire in Chinese. *Mindfulness*, 15(2), 359-371. <https://doi.org/10.1007/s12671-023-02299-x>

- [5]. Lee, P., Chen, S., Yu, Y., Chen, Y., **Feng, R.**, & Fan, X. (2019). The Effect of Mindfulness and Wisdom as Intervention to Deal with College Students' Internet Addiction. *International Journal of Psychology & Behavior Analysis*. 5, DOI: <https://doi.org/10.15344/2455-3867/2019/161>

Manuscripts Under Review

- [6]. Hao, X. **Feng, R.**, Verhaeghen, P., & Turnbull, A. Mind-body interventions Induced Brain Changes in the Aging Population: A Systematic Review of Structural and Functional Neuroimaging Findings (in Revision of Neuropsychology Review)
- [7]. **Feng, R.**, Hao, X., Coronado, B., & Verhaeghen, P. When Control Slips Away: Temporal Dynamics of Learned Helplessness and Cognitive Flexibility under Reward Uncertainty (in Revision of *Motivation and Emotions*)
- [8]. **Feng, R.**, Hua, Z., Chen, P., Lin, T., & Veldhuis, C. A novel application of network analyses to examine how well LGBTQ research in LGBTQ journals reflects the diversity of the community (in Revision of *Annals of Behavioral Medicine*)

CONFERENCE

- Hao, X. **Feng, R.**, Verhaeghen, P., & Turnbull, A. (2025) Mind-body interventions Induced Brain Changes in the Aging Population: A Systematic Review of Structural and Functional Neuroimaging Findings. 2025 International Society for Contemplative Research, North Carolina, USA
- **Feng, R.**, Mishra, V., Hao, X., & Verhaeghen, P. (2024). The Association Between Mindfulness, Psychological Flexibility, and Rumination in Predicting Mental Health and Well-Being Among University Students Using Machine Learning and Structural Equation Modeling. Association of Psychological Society, Washington, DC, USA, 2025
- **Feng, R.**, Hua, Z., Chen, P., Lin, T., & Veldhuis, C. A novel application of network analyses to examine how well LGBTQ research in LGBTQ journals reflects the diversity of the community, 2, Minneapolis, USA, 2022.
- **Feng, R.** The Effect of Anxiety Sensitivity and Its Lower-order Anxiety Sensitivity Factors on Generalized Anxiety Disorder Tendency in China College Students. Singapore Conference on Applied Psychology (SCAP), Singapore. 2019
- Feng, R. The Effect of Delay Discounts on College Students with Online Shopping Addiction: Learned Helplessness as a Mediator Variable. Asian Conference on Psychology & the Behavioral Sciences, Tokyo, Japan. 2018

ONGOING PROJECTS

- [1]. Mind-body interventions Induced Brain Changes in the Aging Population: A Systematic Review of Structural and Functional Neuroimaging Findings
- [2]. Toward Generalizable Mind-Wandering Decoding: Integrating Shapelet and Coherence Features via Variational Autoencoder (Ongoing project since 2025)
- [3]. Mindfulness and Creative Problem-Solving with Sudden Insight: evidence from an electrophysiological study (Ongoing project since 2024)
- [4]. An Experimental Investigation of Emotional Counter-Regulation During the Priming Identify Task: an ERP study (Ongoing project since 2024)
- [5]. An Ecological Momentary Assessment (EMA) Study of Mind-Wandering, Affect, and State Mindfulness (Ongoing project since 2023)

WORK EXPERIENCE

SELF (Social-Emotional Learning and Functioning) Regulation Lab, Syracuse University Syracuse, USA
Research Coordinator | Supervisor: Dr. Rachel Razza 06/2022 – 06/2023

- Organized and analyzed 200+ cross-examination data points to support the Inner Strength Project (ISP), investigated the improvement of self-regulation and self-compassion among the youth ^[3].
- Developed EEG experimental protocols and data collection pipelines to investigate mindfulness-related neural dynamics.

Institute of Economics of Education, Peking University Beijing, China
Research Assistant | Supervisor: Dr. Hong Zhu 06/2022 – 06/2023

- Supported a longitudinal evaluation of lifelong education programs using behavioral and EEG data. Assisted with experimental paradigm design and preprocessing of neurophysiological signals.

Psychology and Interpersonal Process (P.I.P.) Lab, Ohio University

Athens, USA

Research Assistant | Supervisors: Dr. Tao Lin & Dr. Timothy Anderson

05/2021 – 05/2022

- Devoted to the publication and presentation of the systemic review that examines whether LGBTQ research has become more inclusive over the last 30 years (1989-2021) and meta-analysis of the effectiveness of online counseling intervention ^[8].

Mind-Body Lab, Syracuse University

Syracuse, USA

Research Assistant | PI: Dr. Joshua Felver

08/2021 – 06/2022

- Translated, collected, and analyzed data from the Mindful Student Questionnaire with 2,910 international adolescents to examine mindfulness factors (awareness, attention, acceptance) influencing school performance; co-authored a peer-reviewed publication in Mindfulness ^[4].
- Conducted TSST tests to aid graduate students in conducting experiments, including blood pressure measurements and response time data collection (2–3 times per week).

TEACHING EXPERIENCE

PSY 2020 – Psychological Statistic, Lab instructor, 2025 Spring

PSY 2020 – Psychological Statistic, Teaching assistant, 2024 Fall

PSY 1101 – General Psychology, Teaching assistant, 2024 Summer

PSY 2015 – Research Methods, Teaching assistant, 2024 Spring

PSY 3012 – Introduction to Cognitive Psychology, Teaching Assistant, 2023 Fall

ACADEMIC SERVICE

Coordinator for the Brown Bag Academic Presentation Series, School of Psychology, Fall 2024 – Spring 2025