

## EDUCATION

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**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

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**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

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### *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]. **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*)
- [7]. **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**

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- **Feng, R.** & Hao, X. (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**

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- [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**

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**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<sup>[3]</sup>.
- 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 <sup>[8]</sup>.

### **Mind-Body Lab, Syracuse University**

Research Assistant | PI: Dr. Joshua Felver

Syracuse, USA

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 <sup>[4]</sup>.
- 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**

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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**

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