

EDUCATION

- 2020 - 2022 **Teachers College, Columbia University**, New York, NY
M.A., Clinical Psychology
Mentor: Lisa M. Ranzenhofer, Ph.D.
Thesis: Self-Referential Processing Biases in Patients with Anorexia Nervosa
- 2017 - 2020 **University of Toronto, Innis College**, Toronto, ON
HBSoc, Specialist in Psychology, Major in Industrial Relations and Human Resources
Mentors: Brett A. Cochrane Ph.D. & Jay Pratt Ph.D.

PUBLICATIONS AND MANUSCRIPTS

1. **Gu, S. J.**, Aimufua, I., Pagliaccio, D., Shankman, S. A., Steinglass, J. E., Auerbach, R. P., & Ranzenhofer, L. M. (*Under Review*) Self-referential Processing Biases in Patients with Anorexia Nervosa.
2. Uniacke, B., Wengler K., Hagan K., Foerde K., Ahad M., **Gu, S. J.**, Horga G., Steinglass J. & Posner J. (*In Preparation*) The Role of Dopamine in Anorexia Nervosa during adolescence.

PAPER PRESENTATIONS

1. **Gu, S. J.**, Aimufua, I., Pagliaccio, D., Shankman, S. A., Steinglass, J., Auerbach, R. P., & Ranzenhofer, L. (2023, June). *Self-referential Processing Biases in Patients with Anorexia Nervosa*. [Paper Presentation] International Conference for Eating Disorders (ICED), United States, Washington D.C.
2. Patmore, J., Ranzenhofer, L., Attia, E., **Gu, S. J.**, Xu, S., & Kalach, V. (2022, June). *The Role of Alliance in a Peer Mentorship Program for Individuals with Eating Disorders*. [Paper Presentation] International Conference for Eating Disorders (ICED) (Virtual Conference).
3. Patmore, J., Ranzenhofer, L., Attia, E., Kalach, V., **Gu S. J.**, Chiao, S., Nathan, R., Akason, T., Atri, E., Clarizio, D., Agrawal, P., & Farber, B. (2022, July). *How Patient Knowledge of Provider Lived Experience with an Eating Disorder Facilitates Positive Outcomes*. [Panel Discussion] Society for Psychotherapy Research (SPR), University of Denver, Denver, Colorado.
4. Patmore J., Sinclair C., Cao E., Ng S., Mayall D., Agrawal P., **Gu S. J.**, Chiao S., & Kalach V. (2021, July). *The Utility of Lived Experience with an Eating Disorder as a Therapeutic Tool to Facilitate Client Self-disclosure: An Evaluation of a Peer-Based Community Support Group*. [Paper Presentation] Society for Psychotherapy Research (SPR), United States (Virtual Conference).

POSTER PRESENTATIONS

1. Ranzenhofer, L., Trivedi, E., Aimufua, I., **Gu S. J.**, Steinglass J., Auerbach R. P. (2023, September) *Passive Sensing Of Social Processes In Adolescents With An Eating Disorder*. Eating Disorders Research Society, United States, Boston.
2. Aimufua, I., Ranzenhofer, L., **Gu S. J.**, Steinglass, J., Walsh, T. B. (2023, June) *Concordance of the EDE-Q and EDE-12 in a Clinical Sample of Patients with Eating Disorders*. International Conference for Eating Disorders (ICED), United States, Washington D.C.
3. Tang J. E., Kurylo, D. D., **Gu S. J.**, Jain, M., Waxman, R., & Gordon, P. (2021, May). *Neural Correlates of Visual Perceptual Organization (PO) in an EEG Oddball Paradigm*. Association for Psychological Science (APS), United States (Virtual Conference).
4. Cochrane B.A., **Gu S. J.** & Pratt J. (2020, November). *Are Event Files due to a Long-Term or a Short-Term Memory Process?* The Psychonomic Society 61st Annual Meeting. (Virtual conference).

5. Cochrane B.A., **Gu S. J.** & Pratt J. (2020, June). *Are Event Files due to a Long-Term or a Short-Term Memory Process?*. The Transdisciplinary Research Association on Cognition and Embodiment 7th Annual Meeting, Germany, Würzburg (Cancelled conference).

RESEARCH EXPERIENCE

- 07.2022 - **Clinical Research Coordinator**, COLUMBIA CENTER FOR EATING DISORDERS
Present
[40hrs/week]
- Coordinated the recruiting, screening, and admission process for patients on the inpatient unit
 - Translated phone screening, admission processes with AN adolescent patients and parents in Mandarin
- 08.2021 -
07.2022
[20hrs/week]
- Attended rounds to discuss details about patients with eating disorders on the inpatient unit
 - Administered clinical (EDA-5, SCID, K-SADS, AOO, YBC) and cognitive assessments (WASI, LNS)
 - Entered and managed data from multiple databases (CRMS, REDCap, kisEMR, physical charts)
 - Scored EDE-Q, SRHI, BDI, STAI(T), AOO and pulled data from various databases mentioned above
 - Managed and ensured the quality of MRI scans and preprocessed the MRI data with fMRIPrep
 - Coded (N = 6) three behavioral and three scanner versions of neurocognitive tasks in PsychoPy (Food Choice Task (FCT), Two Step Task (TST), Incentive Flanker Task (IFT), available on GitHub)
 - Coordinated four studies, and weekly study meetings, scheduled and ran research procedures
- Study: Restrictive and Binge Eating during Adolescence: the Role of Self-Related Cognitions and Social Stress - Lisa M. Ranzenhofer, Ph.D., K23 MH121780**
- Ran EEG experiments on adolescents with and without eating disorders
 - Conducted Multi-Item Meal (MIM) with participants and recorded food intake
 - Messaged participants and ensured the collection of Ecological Momentary Assessment (EMA) data
 - Cleaned the behavioral data with Python for preliminary analysis
- Study: The Role of Dopamine in the Persistence and Remission of Anorexia Nervosa during Adolescence - Blair W. Uniacke, M.D., Brain & Behavior Research Foundation 2021**
- Communicated with IRB, coordinated study meetings, and scheduled research procedures
 - Ran structural and neuromelanin scans on adolescents/young adults with and without eating disorders
 - Administered the Two Step Task money version and the Age of Onset interview with participants
 - Cleaned the behavioral data with Python for preliminary analysis
 - Converted the NM scans from DICOM to NiftI with command lines
- Study: The Physiology of the Weight Reduced State - Laurel S. Mayer, M.D., UG3 DK128302**
- Developed REDCap survey pipeline to send participants links to the task upon completion of specific questionnaires, and filter participants to appropriate questionnaires
 - Set up Columbia Suicide Severity Rating Scale (C-SSRS) on REDCap with complex logic tools
 - Developed and revised a manual for task administration
 - Trained coordinators at collaborating sites to set up and administer an online experiment
 - Troubleshoot with collaborating team for task installation and set up
- Study: Longitudinal Follow-up for the Eating Disorders Research Unit - Evelyn Attia, M.D.**
- Consented (and assented if < 18 years old) patients (and parents) for the study and answered questions
 - Managed participant database (N = 475) with 10-year and 20-year follow-up questionnaires
 - Communicated with IRB and submitted the annual progress report
 - Sent annual questionnaires from REDCap to past patients
- 06.2021 - **Graduate Research Assistant**, COLUMBIA NEUROIMAGING LAB
06.2022
[10hrs/week]
- Study: Aging and Cognitive Reserve Using Magnetic Resonance Spectroscopy - Yunglin Gazes, Ph.D.**
- Preprocessed MRS data with INSPECTOR neuroimaging tool and ran LCM analysis
 - Conducted literature search on MRS studies in aging-related topics and cognitive reserve
 - Documented all the processes and analyses and presented them in lab meetings
- 11.2020 - **Graduate Research Assistant**, SUICIDE RESEARCH LAB
07.2022
[5hrs/week]
- Study: Suicide Prevention: Safety Plan Evaluation - Christa Labouliere, Ph.D.**
- Evaluated and coded Stanley-Brown Suicide Prevention Safety Plan (N = 378) via REDCap
 - Discussed with team members to reach a consensus on ambiguous safety plans
 - Attended patient update meetings and sat in diagnosis consensus meetings

Study: Social Stress in People with Suicide Intent and Ideation - Barbara H. Stanley, Ph.D.

- Ran the Trier Social Stress Test (TSST) experiments as a confederate
- Accompanied participants (suicide attempters/ideators/healthy control) to Exam Rooms to draw blood
- Briefed the participants after experiments and escorted them to the exits safely

11.2020 - **Graduate Research Assistant, EATING DISORDERS & DISCLOSURE LAB**

06.2021 [5hrs/week] **Study: Project Healing: The Utility of Lived Experience with Eating Disorders as a Therapeutic Tool: an Evaluation of Peer-Based Community Support Group - Jacqueline Patmore**

- Edited an abstract for submission, and slides for two conference presentations
- Coded thought units in responses to HEALing Support Group Survey
- Organized data collected from Qualtrics survey in Google sheet

11.2020 - **Graduate Research Assistant, LANGUAGE AND COGNITIVE NEUROSCIENCE LAB**

06.2021 [10hrs/week] **Study: Neural Correlates of Visual Perceptual Organization in Patients with Schizophrenia/Schizotypal Personality Disorder using EEG and Gazeplot - Jean E. Tang, Ph.D. & Peter Gordon, Ph.D.**

- Created a complete set of eight visual/color stimuli with JavaScript
- Developed visual experiment to examine perceptual organization in schizophrenia via PsychoPy
- Collected behavioral data from Qualtrics and cleaned them with Python in Google Colab
- Cleaned Gazeplot data in Google Colab and exported as excel sheets for further analysis
- Conducted literature review on perceptual organization in schizophrenic patients and healthy controls

01.2020 - **Undergraduate Research Assistant, VISUAL COGNITION LAB**

05.2020 [8hrs/week] **Study: Event Files in Short/Long-Term Memory- Brett A. Cochrane, Ph.D. & Jay Pratt, Ph.D.**

- Presented four research papers, and wrote one review for a research paper
- Ran PsychoPy program and conducted 3 simultaneous experiments in the lab in 1 hour
- Performed t-test and two-way ANOVA in R, learned to write scripts in R and Matlab

11.2019 - **Undergraduate Research Assistant, ANXIETY RESEARCH AND TREATMENT LAB**

05.2020 [2hrs/week] **Study: A Diary Study: Reassurance Behaviors in Patients with Body Dysmorphic Disorder - Olivia Provost-Walker & Martin Antony, Ph.D.**

- Recruited participants with various platforms, connections, and resources efficiently
- Conducted literature review on body dysmorphic disorder and reassurance behaviors

05.2019 - **Undergraduate Research Assistant, MIND AND BODY LAB**

05.2020 [4hrs/week] **Study: The Effect of Pain on Moral Judgments - Spike Lee, Ph.D.**

- Conducted 15-minute experiments with strangers of different races/ethnicities on the street
- Collected data, accurately entered the data and assisted in literature review on embodiment
- Individually completed the qualitative coding task for 2000 MTurk data sets
- Coordinated meetings with other coders to generate consistent coding schemes

CLINICAL EXPERIENCE

09.2023 - **Attendee, Cognitive Behavioral Therapy Class at Columbia Center for Eating Disorders**

11.2023 **Supervised by Dr. Michael J. Devlin, MD**

- Attended the CBT classes with medical residents and reviewed relevant class materials
- Shadowed residents conducting CBT activities with patients on the inpatient unit for eating disorders, including cognitive/behavioral model, decision analysis, cognitive distortion, and relapse prevention

08.2022 - **Consenter, Columbia Center for Eating Disorders**

Present **Supervised by clinicians at Columbia Center for Eating Disorders**

- Explained research procedures, answered questions, and consented/assented adult patients/parents and adolescent patients for the following two protocols:
 - Screening Process for Eating Disorders Research Clinic
 - Longitudinal Follow-up for the Eating Disorders Research Unit

- 07.2022 - **Assessor**, Columbia Center for Eating Disorders
 Present *Supervised by Lisa M. Ranzenhofer, Ph.D. and Alexandra F. Muratore, Ph.D.*
- Administered the following semi-structured clinical interview:
 - Structured Clinical Interview for DSM-5 Disorders (SCID-5) with adults
 - Kiddie Schedule for Affective Disorders and Schizophrenia (K-SADS) with adolescents
 - Eating Disorder Assessment for DSM-5 (EDA-5) with adolescents and adults
 - Age of Onset (AOO) interview with adolescents and young adult patients (< 24 years old)
 - Administered the following cognitive assessments in interview style:
 - Self-Report Habit Index (SRHI) with adolescents and adult patients;
 - Yale-Brown-Cornell Eating Disorders Scale (YBC-ED) with patients;
 - Wechsler Abbreviated Scale of Intelligence I & II (WASI) with adolescents and adults
- 07.2022 - **Attendee and Presenter at Rounds**, Inpatient Unit at Columbia Center for Eating Disorders
 Present *Supervised by Blair W. Uniacke, M.D.*
- Attended rounds to discuss details and progress about patients on the inpatient unit
 - Presented scheduled research procedure and research eligibility during rounds
- 08.2021 - **Phone Screener**, Columbia Center for Eating Disorders
 Present *Supervised by clinicians at Columbia Center for Eating Disorders*
 [4hrs/week] ○ Conducted the following phone screens:
 - 10-minute phone interviews with anyone who called the clinic
 - 45-60 minute phone interviews with patients who might have an eating disorder
 - 30-minute phone interview with potential healthy control participants
- 09.2021 - **Study Therapist**, R01MH115128
 04.2022 *Study: Harnessing Mobile Technology to Reduce Mental Health Disorders in College Populations*
 [4hrs/week] *(iAIM EDU) - Elsa Rojas, Ph.D. & Ellen Fitzsimmons-Craft, Ph.D.*
- Provided feedback for college-student users with eating disorder/anxiety/depression on their progress
 - Attend weekly one-hour supervision on how to provide positive feedback as a coach using CBT skills
 - Used digital CBT evidence-based treatment tools to encourage users to use different self-guided modules

CODING AND TASK DEVELOPMENT

- 2023 **Web Surf Task**, Originally developed by Abram et al., 2019
This task presents different amounts of time to forage for videos across four types and asks participants to choose whether to stay and wait or skip the video to assess their visual and decision-making processing.
- Adapted the JavaScript version to launch it on Pavlovia
 - Rewrote the behavioral version in JavaScript for online launches
 - Updated behavioral version to sync the stimuli with an MRI scanner
 - Wrote a behavioral version in Python based on the descriptions in the original paper
- 2022 **Incentive Flanker Task**, Originally developed by Norman et al., 2021
This task presents five letters, one of which is the target letter, in high/low interference conditions with high/low rewards and asks people to identify the target letter to earn rewards in order to assess their cognitive control and reward processing.
- Adapted the behavioral version to sync the stimuli with an MRI scanner
 - Wrote a behavioral version in Python based on the descriptions in the original paper
- 2021 - 2023 **Two Step Decision Task**, Originally developed by Foerde et al., 2021
This task presents a set of two choices (first two spaceships, then two aliens) at both model-based and model-free learning phases and asks people to learn the probability pattern to earn the reward associated with the choices to assess their goal-directed learning abilities.
- Wrote the behavioral version in Python for better responsiveness
 - Created a behavioral version with PsychoPy Builder based on the original Matlab version

- 2020 - 2023 **Food Choice Task**, Originally developed by Steinglass et al., 2014; Foerde et al., 2015
This task presents 76 food images three times in three blocks: healthiness, tastiness, and preferences of the food items and asks participants to rate the items respectively on a Likert scale of 1 to 5 to assess their evaluations and preferences on high fat or low-fat food.
- Adapted the MRI version for multiple scanners and a different set of stimuli and triggers
 - Updated the MRI version to a universal version for Open Science, available on GitHub
 - Adapted the behavioral version to sync the stimuli with an MRI scanner
 - Adapted the behavioral version to launch on PCs
 - Wrote the behavioral version in Python for better performance of the task
 - Created a behavioral version with PsychoPy Builder based on the original Matlab version
- 2020 **Visual Perceptual Organization Task**, Originally developed by Kurylo et al., 2018
This task presents 20 x 20 dot arrays of elements that indicate general organization (Horizontal or Vertical orientation) with motion/color differences at four difficulty levels, and asks participants to detect the stimuli orientations to assess their visual processing system.
- Adapted the behavioral version to launch it on Pavlovia
 - Created a behavioral version with PsychoPy Builder based on the description in the paper

TEACHING EXPERIENCE

- 02.2023 **Teaching Assistant**, Eye Tracking Methods and Dynamic Data Analysis
- 01.2022 **Graduate psychology class: BSSN 4070 by Peter Gordon, Ph.D. at TC, Columbia University**
- 05.2021
- Delivered a 90-minute lecture on designing and creating experiments using PsychoPy
 - Prepared sample questions for students to practise creating experiments
 - Explained components of PsychoPy, application of different components in creating experiments
 - Presented how to create Stroop Task, Posner Task, and Perceptual Organization Task
- 01.2022 **Teaching Assistant**, Explorations in Madness: Schizophrenia and Other Psychotic Disorders
Graduate clinical psychology class: CCPX 4070 by Paul Saks, Ph.D. at TC, Columbia University
- Contributed to the development of appropriate teaching materials (e.g. syllabus)
 - Performed teaching duties and assisted assessment of homework, assignments, and exams
- 09.2021 **Teaching Assistant**, Adult Personality and Psychopathology
Graduate clinical psychology class: CCPX 5032 by Paul Saks, Ph.D. at TC, Columbia University
- Contributed to the development of appropriate teaching materials (e.g. syllabus)
 - Performed teaching duties and assisted assessment of homework, assignments, and exams

RELEVANT EXPERIENCE

- 05.2019 - **Research Assistant**, WORKPLACE SAFETY & INSURANCE BOARD, SURVEY UNIT
- 08.2019
- [10 hrs/week]
- Conducted telephone interviews with injured workers, employers, providers, and other stakeholders
 - Used active listening and other techniques to elicit thorough and comprehensive responses
 - Recorded responses by keyboard into Computer Assisted Telephone Interview (CATI) System
- 08.2018 - **Residence Advisor**, UNIVERSITY OF TORONTO, SCARBOROUGH
- 04.2019
- [25 hrs/week]
- Promoted inclusivity through facilitated dialogue, community development, and peer education
 - Highly flexible and reliable to students seeking support for academic/personal/community concerns
 - Responded to all emergencies, crisis in residence, and documented incidents appropriately/timely
 - Planned and hosted various biweekly events for 30-40 students within the expected timeframe
- 04.2018 - **Student Academic Advisor**, UNIVERSITY OF TORONTO, SCARBOROUGH
- 04.2019
- [10 hrs/week]
- Screened at least 30 student inquiries and directed them to appropriate resources over the phone
 - Answered academic questions from undergraduate students in person, including course selection, resume/CV revision, and job search, and scheduled academic advising appointments for them
 - Wrote blogs to communicate effective study skills, exam preparation, and experiential learning

SKILLS

Languages Mandarin, English, Python, JavaScript

Questionnaires REDCap, Qualtrics, Google Forms

Web Server	AWS, Ginsburg, HPC cluster
Recruitments	RecruitMe, SONA, MTurk
Experiments	PsychoPy, Pavlovia, E-prime, MATLAB
Neuroimaging	Python, bash, fMRIPrep, INSPECTOR, MATLAB
Eye Tracking	Gazepoint, EyeLink
Statistics	Python, SPSS, Excel, R, STATA
Analysis	HDDM, HSSM, ANOVA, (multiple) linear regression, chi-square

PROFESSIONAL AFFILIATIONS

2023 - Present	Association for Behavioral and Cognitive Therapies
2023 - Present	Academy for Eating Disorders
2022 - Present	American Psychological Association