

Curriculum Vitae  
**BLAINE R. PETERS**

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## EDUCATION

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**Texas A&M University**, College Station, TX

**Dec 2022**

*Bachelor of Science: Psychology, Summa Cum Laude*

Minor in Neuroscience; Certificate in Applied Behavioral Health

Major GPA: 4.0 | Overall GPA: 3.93

Thesis: *The Effect of Working Memory Load on the Ability to Increase and Sustain Positive Emotion: An Event-Related Potential Study*

Thesis Advisor: Dr. Annmarie MacNamara

## PEER-REVIEWED PUBLICATIONS

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1. Cheng, Y., **Peters, B. R.**, MacNamara, A., (2023). Positive emotion up-regulation is resistant to working memory load: an electrocortical investigation of reappraisal and savoring. *Psychophysiology*, 00, e14385. <https://doi.org/10.1111/psyp.14385>

## MANUSCRIPTS IN PREPARATION

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1. Siuta, R. L., Bergman, M. E., Saenz, J., RaSun, S., Patterson, A. R., **Peters, B. R.**, Odom, E., & Natarajan, N. (in preparation). Whisper networks: A qualitative study of sexual harassment information-sharing.

## RESEARCH PRESENTATIONS

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1. Cheng Y., **Peters, B. R.**, MacNamara A. E. (2022, September). *Positive emotion upregulation is resistant to concurrent working memory load: an event-related potential study of reappraisal and savoring*. Poster presented at the Annual Meeting of the Society for Psychophysiological Research, Vancouver, British Columbia.
2. **Peters B. R.**, MacNamara A. E. (2022, March). *Effect of cognitive load on the ability to increase and sustain positive emotion: An event-related potential study*. Oral presentation at the Texas A&M University Student Research Week Symposium, College Station, TX.
3. Patel S. H., **Peters B. R.**, Song S., Nordin A. D. (2022, March). *Underwater Fluid Forces Increase Theta Band Spectral Power from Human Parietal Cortex During Standing Balance*. Poster presented at Texas A&M University Student Research Week Symposium, College Station, TX.
4. Song S., Long A., Patel S., **Peters B.**, Treece M., Nordin A. D. (2022, March). *Mobile technologies for monitoring real-world human ambulatory brain, muscle, and body dynamics*. Oral presentation at the Healthcare Innovations Point-Of-Care Technologies Conference, Houston, TX.
5. Song S., **Peters B.**, Patel S., Nordin A. D. (2021, December). *Human Electrocortical and Myoelectric Dynamics during Underwater Treadmill Locomotion*. Poster presented at the Texas A&M University Society for Neuroscience Winter Symposium, College Station, TX.
6. Siuta R. L., Bergman M. E., Saenz J., RaSun S., -A., Patterson A. R., **Peters B. R.**, Odom E., & Natarajan N. (2021, April). *Whisper networks: A qualitative study of sexual harassment*

*information-sharing*. Paper presented at the Society for Industrial and Organizational Psychology Virtual Conference, New Orleans, LA.

7. **Peters B. R.**, Saenz J., Odom E., Patterson A. R., Siuta R. L., & Bergman M. E. (2021, March). *Whisper networks and the context in which they arise: A qualitative analysis*. Poster presented at the Texas A&M University Student Research Week Symposium; Virtual Showcase.
8. Odom E., **Peters B. R.**, Patterson A. R., Saenz J., Siuta R. L., & Bergman M. E. (2021, March). *Whisper networks and motivation: An analysis of motivation to share or withhold information in a whisper network*. Poster presented at the Texas A&M University Student Research Week Symposium; Virtual Showcase..
9. Saenz J., Patterson A. R., **Peters B. R.**, Odom E., Siuta R. L., & Bergman M. E., (2021, March). *Who is whispering? A qualitative analysis of whisper networks and their information sources*. Poster presented at the Texas A&M University Student Research Week Symposium; Virtual Showcase
10. Patterson A. R., Odom E., Saenz J., **Peters B. R.**, Siuta R. L., & Bergman M. E., (2021, March). *An exploration of the information shared through whisper networks: A qualitative analysis of informal communication regarding sexual harassment*. Poster presented at the Texas A&M University Student Research Week Symposium; Virtual Showcase.

## **RESEARCH EXPERIENCE**

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### **Multimethod Affect and Cognition (MAC) Lab, Texas A&M University**

*Lab Manager* | PI: Annmarie MacNamara, Ph.D.

**Dec 2022 - Present**

*Research Assistant*

**Jan 2021 - Dec 2022**

Transitioned to lab manager due to commitment and work ethic as an undergraduate RA.

- Administer Structured Clinical Interviews for DSM-5 (SCID-5-RV) to participants aged 18-65 using REDCap
- Deliver 45-minute positive-affect interventions to college-aged participants
- Coordinate recruitment, screening, data entry, and scheduling for 1) longitudinal NIH-funded study (R01MH125083) investigating the neurobiological predictors of comorbidity and stress in anxiety disorders and 2) internally-funded study (X-Grant) evaluating the effectiveness of in-person positive affect interventions for treatment of anxiety and depression
- Set up and monitor electroencephalographic (EEG) equipment for data collection
- Process event-related potentials (ERP) data using BrainVision Analyzer 2 software (artifact rejection, channels pooling, export)
- Export and clean self-report and behavioral data from Qualtrics into Microsoft Excel
- Perform other tasks as needed (amend IRB protocols, delegate RA tasks, audit working petty cash funds, create surveys, etc)

### **Emotion and Memory Systems Lab, Texas A&M University**

**March 2023 - Present**

*Laboratory Manager* | PI: Stephen Maren, Ph.D.

- Prepare AUP protocol (R01MH117852) for amendments and renewal
- Perform administrative duties including managing lab purchases and reimbursements, ensuring proper functionality of safety equipment, and completing monthly paperwork on supply purchases
- Perform weekly inventory counts
- Autoclave and dispose of biohazardous waste

### **Nordin Neuromechanics Lab, Texas A&M University**

**Aug 2021 - May 2022**

*Undergraduate Research Assistant* | PI: Andrew Nordin, Ph.D.

- Collected brain and muscle data from participants through 64-channel EEG and wet/dry EMG
- Monitored brain activity during aquatic and dry environments with/without influenced perturbation
- Captured high-quality 3D images of participants in EEG setup

- Paid for 10 hours biweekly through Innovation [X] Grant

**Mindy Bergman Undergraduate Research Lab**, Texas A&M University **Aug 2020 - May 2021**  
*Undergraduate Research Assistant* | PI: Mindy Bergman, Ph.D.

- Coded qualitative data using conventional content analysis to investigate workplace harassment
- Refined and formulated qualitative codes to be used with data interpretation
- Created Qualtrics survey on the effect of menstruation on task efficiency within the workplace
- Generated article summaries and utilized library databases to find relevant measures for survey creation

**Psychology Research in Inclusion, Diversity, and Employment Lab**, Texas A&M University **Aug 2020 - Dec 2020**

*Undergraduate Research Assistant* | PI: Isaac Sabat, Ph.D.

- Served as research confederate via Zoom
- Evaluated participants' responses to sexist, incivil, and control conditions
- Contributed to manuscript preparation by refining and drafting introduction and methods sections

### **OTHER RELATED EXPERIENCE**

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**Teaching Scholars Program**, Texas A&M University **Jan 2022 - May 2022**  
*Teaching Assistant* | PI: Naomi Nagaya, Ph.D.

- Attended lectures and supervised Zoom for Neuroscience Overview course
- Created quiz questions and graded weekly assignments via Canvas
- Organized and oversaw faculty and graduate student guest lectures

**Hullabaloo U First Year Experience Program**, Texas A&M University **Aug 2021 - May 2022**  
*Peer Mentor*

- Offered support and guidance to approximately 25 first-year psychology students
- Facilitated weekly discussions aimed at the transition into college
- Trained in identifying interpersonal violence, psychological distress, and communicating with trauma survivors

**Sexual Assault Resource Center (SARC)**, Bryan, TX **June 2021 - Jan 2022**  
*Volunteer Crisis Advocate*

- Provided confidential crisis intervention, support, and resources to firsthand and secondhand survivors of sexual assault
- Actively listened and communicated to victims of all ages through the 24-hour hotline
- Volunteered approximately 45 hours monthly

### **HONORS/AWARDS**

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Undergraduate Research Scholar University Honors	<b>2022</b>
Ellison Miles Scholarship - \$500	<b>2022</b>
Brett '98 & Jennifer '98 Mendenhall Endowed Scholarship - \$500	<b>2022</b>
Undergraduate Psychology 1st Place Poster Award - \$300	<b>2021</b>
Aggie Research Scholar Certificate	<b>2021</b>
Aggie Research Scholar Certificate	<b>2020</b>

### **PROFESSIONAL AFFILIATIONS**

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Psi Chi, <i>Member</i>	<b>2021 - Present</b>
American Psychological Association (APA), <i>Member</i>	<b>2021 - Present</b>

## **SKILLS**

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### *Clinical Assessments*

- Structured Clinical Interview for DSM-5 (SCID-5-RV)
- Columbia-Suicide Severity Rating Scale (C-SSRS)
- Family History Screen (FHS)
- Crisis Intervention

### *Data Analysis and Visualization*

- SPSS
- BrainVision Analyzer 2 Software
- Qualtrics
- Jamovi

### *Experimental Methods*

- EEG
- Wet and Dry EMG

### *Other*

- Canvas