

Vanessa Cao, M.A.

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EDUCATION

2020—Present	The University of Rochester , Rochester, NY Ph.D. Candidate, Developmental Psychology Advisor: Patrick Davies, Ph.D. <i>Expected: May 2026</i>
2025	Quantitative Methods Certificate <i>Colloquia Presentation: What is G? A Comparative Exploration of Bifactor Model Variants and Their Interpretations</i>
2024	Master of Arts, Developmental Psychology <i>Thesis: Disentangling the Relationship Between Callous-Unemotional Traits and Unsupportive Parenting Through a Developmental Lens</i>
2015—2018	The Pennsylvania State University , University Park Bachelor of Science, Biology (Neuroscience) Minor: Psychology <i>GPA: 3.85/4.00, Cum Laude</i>

GRANT FUNDING

2024-2026	F31 Ruth L. Kirschstein Predoctoral National Research Service Award Sponsor: Patrick T. Davies Ph.D. National Institute of Mental Health <i>Identifying Risk Mechanisms Underpinning the Association Between Callous-Unemotional Traits and Externalizing Behavior</i> Impact Score: 1.9 Percentile: 10 th
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PUBLICATIONS

12. Davies, P.T., **Cao, V.T.**, Patel, M.D., Waye, C., & Gibb, B.E. (in press). Strength-Based Steeling Effects in Cascades of Family Adversity, Children's Emotion Processing, and Psychological Problems. *Development and Psychopathology*. <https://doi.org/10.1017/S0954579425100990>
11. **Cao, V.T.**, Davies, P.T., Thompson, M.J., & El-Sheikh, M. (2025). Identifying Antecedents to the Cascade of Children's CU Traits and Psychological Adjustment: The Interplay Between the Parasympathetic and Sympathetic Nervous Systems. *Child Development*. <http://doi.org/10.1111/cdev.70014>
10. Davies, P.T., **Cao V.T.**, Baker, A., & Sturge-Apple, M. L. (2025). The Beneficial Sequelae of Constructive Interparental Conflict: Children's Effortful Control and Positive Affect as Mechanisms. *Developmental Psychology*. <https://doi.org/10.1037/dev0001990>
9. Davies, P.T., **Cao, V.T.**, Hendrickson, M. V. & Thompson, M. T. (2025). Lessons Learned from Witnessing Constructive Interparental Conflict and their Beneficial Implications for Children. *Developmental Psychology*. <https://doi.org/10.1037/dev0001952>

8. Colton, K.C., **Cao, V.T.**, & Davies, P.T. (2025). Impact of Parental Conflict and Emotional Abuse on Children and Families. *Partner Abuse*, 16(1). <https://doi.org/10.1891/PA-2024-0042>
7. Waschbusch, D.A., **Cao, V.T.**, Shroff, D.S., & Willoughby, M. (2024). Reward and Punishment Sensitivity in Children with ADHD: Validating the Contingency Response Rating Scale. *Assessment*, 32(4), 561-576. <https://doi.org/10.1177/10731911241256536>
6. Davies, P.T., **Cao, V.T.**, Sturge-Apple, M.L., Cicchetti, D. (2024). Advancing Differential Susceptibility Research: Development and Validation of the Temperamental Sensitivity Q-Scale. *Developmental Psychology*, 60(11), 2016-2037. <https://doi.org/10.1037/dev0001751>
5. **Cao, V. T.**, Davies, P. T., & Sturge-Apple, M. L. (2024). Disentangling the Relationship Between Callous-Unemotional Traits and Unsupportive Parenting Through a Developmental Lens. *Development and Psychopathology*, 36(3), 1016-1026. <https://doi.org/10.1017/S0954579423000263>
4. Davies, P.T., Pearson, J.K., **Cao, V.T.**, & Sturge-Apple, M.L. (2023). Family-Level Antecedents of Children's Patterns of Reactivity to Interparental Conflict: Testing the Reformulation of Emotional Security Theory. *Developmental Psychology*, 59(1), 99-111. <https://doi.org/10.1037/dev0001497>
3. Davies, P.T., **Cao, V.T.**, Patel, M.D., & Sturge-Apple, M.L. (2022). Why Does Children's Temperamental Exuberance Increase their Vulnerability to Externalizing Symptoms: A Process-Oriented Approach. *Development and Psychopathology*, 36(1), 429-442. <https://doi.org/10.1017/S0954579422001304>
2. Waxmonsky, J.G., Kujawa, A., Pegg, S., Babinski, D., Baweja, R., **Cao, V.T.**, Shroff, D., & Waschbusch, D.A. (2022). The Impact of Irritability and Callous Unemotional Traits on Reward Positivity in Youth with ADHD and Conduct Problems. *Research on Child and Adolescent Psychopathology*, 50, 1027-1040. <https://doi.org/10.1007/s10802-022-00901-9>
1. Babinski, D. E., Shroff, D. M., **Cao, V. T.**, & Waschbusch, D. A. (2021). Sex-Specific Norms for Diagnosing Attention-Deficit/Hyperactivity Disorder in Childhood: A Receiver Operating Characteristic (ROC) Analysis. *Evidence-Based Practice in Child and Adolescent Mental Health*, 6(2), 290-301. <https://doi.org/10.1080/23794925.2021.1875343>

INVITED BOOK CHAPTERS

1. Davies, P.T. & **Cao, V.T.** (2025). Family Conflict and Conflict Management Developmental Implications for Children. In N. C. Overall, J. A. Simpson, & J. A. Lavner (Eds.), *Research Handbook of Couple and Family Relationships*. Cheltenham Glos, UK: Edward Elgar Publishing.

PUBLICATIONS UNDER REVIEW OR IN PREP

Cao, V.T., Zhang, C., Patel, M.D., Davies, P.T., & Gibb, B.E. (under review). Turning a Blind Eye: Selective Attention to Emotional Stimuli as a Risk Factor to the Emergence of Callous-Unemotional Traits and Subsequent Behavioral Difficulties in Early Childhood.

Sanchez, Y. N., Parry, L. Q., Davies, P. T., **Cao, V. T.**, & Sturge-Apple, M. L. (under review). Children's Self-Efficacy as a Buffer of the Risk Associated with Temperamental Impulsivity and Behavior Inhibition.

Cao, V.T., Patel, M.D., & Davies, P.T. (in prep). Children's Reactivity to Interparental Conflict and Their Psychological Adjustment: An Updated Three-Level Meta-Analytic Review.

Cao, V.T. & Davies, P.T. (in prep). Reframing Callous-Unemotional Traits Through a Resilience Framework: Understanding Adaptive Functions, Developmental Costs, and Ecological Fit.

Duprey, E. B., **Cao, V.T.**, Zhang, Y., & McFall, J. (in prep). Optimizing a School-Based Therapeutic Play Intervention for Preschool Students: A Factorial Experiment Protocol.

HONORS & AWARDS

2026	Fred Rogosch Award Excellence in Developmental Psychopathology Awarded to a graduate student or postdoctoral fellow in recognition of significant contributions to developmental psychopathology, demonstrated commitment to research, and strong promise as an independent scholar.
2025	Emory L. Cowen Award Best First-Authored Publication Awarded to a graduate student whose first-authored article represents the strongest publication in a high-quality psychology journal within the award year, recognizing outstanding scholarly contribution and disciplinary impact.
2024	Alfred Baldwin Award Excellence in Research Awarded to a graduate student who has built a robust research program and demonstrated significant promise and potential for future independent contributions to psychological research
2024	Professional Development Award University of Rochester AS&E GEPA
2023	Graduate Student Travel Award Society of Research in Child Development
2022	Best Blitz Talk Award Society for Scientific Study of Psychopathy Awarded to students with exceptional blitz talk presentations at the biennial conference.
2018	Graduated Cum Laude The Pennsylvania State University <i>Top 12% of all 2018 Eberly College of Science Graduates</i>
2016—2018	Psi Chi, Psychology National Honor Society The Pennsylvania State University Chapter
2015—2018	Dean's List Academic Honors The Pennsylvania State University <i>Fall 2015, Spring 2016, Fall 2016, Spring 2017, Fall 2017, Spring 2018</i>
2015—2018	University Trustee Scholarship The Pennsylvania State University <i>Awarded 2015—2016, 2016—2017, 2017—2018</i>
2015	4-year Provost Award The Pennsylvania State University

POSTER & SYMPOSIA PRESENTATIONS

*Denotes mentored student

17. Duprey, E.B., **Cao, V.T.**, Merhab, B., & McFall, J. (under review). Strengthening Social and Emotional Adjustment in Early Childhood: An Optimization Study of a School-Based Therapeutic Play Intervention. Poster to be presented at the Annual Meeting of the Society for Prevention Research. Washington, D.C. (May 26-29, 2026).
16. **Cao, V.T.**, Davies, P.T., Thompson, M.J. & El-Sheikh, M. Psychophysiological Antecedents to the Cascade of Children's CU Traits and Later Psychological Adjustment. Symposium paper presented at the Biennial Meeting of the Society for Research in Child Development. Minneapolis, MN (May 1-3, 2025).
15. **Cao, V.T.**, Davies, P.T., & Baker, A. The Beneficial Sequelae of Constructive Interparental Conflict: Children's Effortful Control and Positive Affect as Mechanisms. Symposium paper presented at the Biennial Meeting of the Society for Research in Child Development. Minneapolis, MN (May 1-3, 2025).
14. Baker, A., **Cao, V.T.**, & Davies, P.T. Child-rearing threat and deprivation dimensions as predictors of children's recognition of specific emotions. Poster to be presented at the Biennial Meeting of the Society for Research in Child Development. Minneapolis, MN (May 1-3, 2025).
13. Hendrickson, M. V.*, **Cao. V.T.**, Davies, P.T., & Thompson, M.J. Lessons Learned from Witnessing Constructive Interparental Conflict and the Beneficial Implications for Children. Poster to be presented at the Biennial Meeting of the Society for Research in Child Development. Minneapolis, MN (May 1-3, 2025).
12. **Cao, V.T.**, Davies, P.T., & Gibb, B. E. Identifying Sources of Heterogeneity in the Associations Between Children's Affect- Biased Attention and CU Trait Development: The Moderating Role of Emotion Understanding. Poster presented at the Biennial Meeting of the Society for the Scientific Study of Psychopathy. Cypress (May 16-19, 2024).
11. Zhang, C.*, **Cao, V. T.**, & Davies, P. T. Clarifying the Heterogeneous Relationship Between Children's Callous-Unemotional Traits and Their Externalizing Problems: The Moderating Role of Social Problem Solving. Poster presented at University of Rochester Undergraduate Research Exposition. Rochester, NY (Apr. 12, 2024).
10. Hendrickson, M.V.*, Davies, P.T., & **Cao, V.T.** Cortisol Reactivity and Affective Attention Bias: The Intricacies of Social Problem-Solving in School-Aged Children. Poster presented at University of Rochester Undergraduate Research Exposition. Rochester, NY (Apr. 14, 2023).
9. Kanh, E.*, **Cao, V.T.**, & Davies, P.T. Assessing the Success of Observer Rated Ethological Profiles Using a Traditional Child Temperament Task. Poster presented at University of Rochester Undergraduate Research Exposition. Rochester, NY (Apr. 14, 2023).
8. **Cao, V.T.**, Patel, M.D., Davies, P.T., & Sturge-Apple, M.L. Why Does Children's Temperamental Exuberance Increase their Vulnerability to Externalizing Symptoms?: A Process-Oriented Approach. Poster presented at Biennial Meeting of the Society for Research in Child Development. Salt Lake City, UT (Mar. 23-25, 2023).

7. **Cao, V.T.**, Davies, P.T., & Sturge-Apple, M.L. Temperamental Antecedents of Callous-Unemotional Traits and Externalizing Problems. Poster presented at Biennial Meeting of the Society for Research in Child Development. Salt Lake City, UT (Mar. 23-25, 2023).

6. **Cao, V.T.**, Davies, P.T., & Sturge-Apple, M.L. Disentangling the Relationship Between Callous-Unemotional Traits and Unsupportive Parenting Through a Developmental Lens. Poster presented at the Biennial Meeting of the Society for the Scientific Study of Psychopathy. Cypress, Greece (Remote Due to COVID) (May 18-22, 2022).

5. Shroff, D.M., **Cao, V.T.**, Waschbusch, D.A., Babinski, D.E. Sex-Specific Norms for Diagnosing ADHD: A Receiver Operating Characteristic (ROC) Analysis. Poster presented at the 53rd Annual Meeting of the ABCT. Atlanta, GA. (Nov. 21-24, 2019).

4. Horst M.A., Vernon T., **Cao V.**, Morgan M., Rogers A., Bradburn E.H., Rogers F.B. An Analysis of Pediatric Social Vulnerability in the Pennsylvania Trauma Systems. 49th Annual Meeting Western Trauma Association (2019). (Abstract and Poster).

3. Vernon, T.M., Bradburn, E.H, Cook, A.D., Jammula, S., **Cao, V.**, Rogers, F.B., Trauma Patients Admitted to Non-surgical Services—A Marker For Poor Outcome. 77th Annual Meeting of the American Association for the Surgery of Trauma and Clinical Congress of Acute Care Surgery (Sept. 26-29, 2018).

2. Vernon T., Horst M.A., **Cao V.**, Morgan M., Rogers A., Bradburn E.H., Rogers F.B. An Analysis of Pediatric Social Vulnerability and Insurance Status in the Pennsylvania Trauma Systems. 23rd Annual Challenges in Critical Care (2018). Hershey, PA (Abstract and Poster).

1. Horst M.A., Vernon T., **Cao V.**, Morgan M., Rogers A., Bradburn E.H., Rogers F.B. An Analysis of Pediatric Undertriage and Social Vulnerability in the Pennsylvania Trauma Systems. 23rd Annual Challenges in Critical Care (2018). Hershey, PA. (Abstract and Poster).

FUNDED MENTORING ACTIVITIES

2022 **Undergraduate Honors Thesis | University of Rochester**
Mentee: Marissa Hendricks | Role: Graduate Student Supervisor

2022 **Discover Grant for Undergraduate Research | University of Rochester**
\$5,000 Discover Grant
Mentee: Ethan Kanh | Role: Supervisor

2021—Present **Child, Maternal, Paternal Observational Research | University of Rochester**
Role: Primary Behavioral Coding Supervisor

RESEARCH & APPLIED POLICY EXPERIENCE

2026—Present **Mount Hope Family Center**
Rochester, NY | Graduate Program Evaluation Consultant

2026 **PATHS: Strengthening the Empirical Evidence Base**
Project summary: An after-school intervention program serving elementary-aged students experiencing psychosocial and academic risk. The PATHS program provides structured academic support, social-emotional skill building, and therapeutic activities delivered by trained staff within a consistent group-based

setting. Ongoing evaluation work focuses on linking PATHS program participation data with school district administrative records to examine associations with students' academic, behavioral, and attendance outcomes over time, with the goal of strengthening the empirical evidence base for the program and informing future program refinement and evaluation efforts.

2025—Present

**The Children's Institute
Rochester, NY | Graduate Research Associate**

2025

Pre-K Primary Project

Project summary: A school-based, Tier 2 prevention program designed for children in pre-K through 3rd grade to promote social-emotional well-being and school adjustment. The program identifies students in need through teacher-completed behavioral screenings and provides one-on-one, child-centered play sessions with trained child associates under the supervision of school-based mental health professionals to strengthen confidence, peer relationships, and school engagement.

May 2025—Aug 2025

**The Children's Agenda
Rochester, NY | Policy & Research Intern**

2025

Universal Free School Meals in New York State

Project summary: Aimed to assess gaps in participation in the National School Lunch Program (NSLP) among schools across New York State. We sought to contextualize statewide program coverage by identifying school districts that do not participate in the NSLP to provide future policy recommendations.

2025

Childcare Closures Across New York State from 2022 to 2024

Project Summary: Updating a comprehensive analysis of childcare capacity trends across New York State using R, with a focus on program openings and closures. The goal is to assess the evolving landscape of childcare availability by reviewing changes in licensed capacity and tracking patterns of turnover.

2025

County Affordability: Child Poverty Across New York State

Project Summary: Involves developing a series of county-level economic profiles to support advocacy for the Working Families Tax Credit (WFTC). The goal is to provide clear, data-driven snapshots of economic conditions across New York State counties.

2025

Early Intervention in New York State: An Evaluation for Reform and Investment

Project Summary: Conducting a comprehensive evaluation of New York State's Early Intervention (EI) program to support increased public investment and systemic reform. This work involves collecting and analyzing data to document service gaps, identifying best practices and innovative EI models from other states, and collaborating with national partners (e.g., Children's Rights, Start Early) to develop a NY-specific methodology for quantifying the cost of delayed or missed services and the potential savings from more effective EI delivery.

2020—Present

**University of Rochester, Department of Psychology
Rochester Center for Research on Children and Families | Graduate Research Assistant**

Dr. Patrick Davies

*Studies of high interest are marked with an **

2020—2024

*Constructive Interparental Conflict Resolution (Project THRIVE)

National Institute of Child Health and Human Development

P.I. Dr. Patrick Davies | Project Role: Graduate Research Assistant

Study Summary: This work aims to better understand how witnessing constructive interparental conflict may play a role in child development.

2018—2020

Penn State College of Medicine, Psychiatry

Attention and Behavior Clinic Research Group | Research Coordinator

Dr. Daniel Waschbusch, Dr. Dara Babinski, Dr. James Waxmonsky

Investigative Studies

2020

*The Examination of Underlying Neural Mechanisms in Girls With and Without ADHD

National Institute of Mental Health

P.I. Dr. Dara Babinski | Project Role: Project Coordinator

Study Summary: This work aims to understand the neural underpinnings of social processing in girls.

2019—2020

*The Examination of Underlying Mechanisms of Borderline Personality Features in female, adolescent ADHD Populations

Children's Miracle Network

P.I. Dr. Dara Babinski | Project Role: Project Coordinator

Study Summary: This work aims to understand the link between ADHD and BPD and identify risks for BPD to inform future intervention efforts.

2019—2020

Examining the Role of Reward Responsiveness in the Behavioral Treatment of Pediatric ADHD

Penn State College of Medicine, Department of Psychiatry

P.I. Dr. James Waxmonsky | Project Role: Project Coordinator

Study Summary: This work aims to capture how the 2019 Summer Treatment Program affects child responsiveness to reward through EEG capture of ERPs and LPPs.

2019—2020

*Examining Executive Functioning Deficits, Affective Deficits, and Social Functioning to Understand Disruptive Behaviors and Callous-unemotional Traits
\$39,301 *Children's Miracle Network*

P.I. Dr. Daniel Waschbusch | Project Role: Project Coordinator

Study Summary: This work aims to understand the impact of Attention-Deficit Hyperactivity Disorder, conduct problems, and callous-unemotional traits on different behaviors and cognitive skills in children ages 6 to 13 years.

2018—2020

*Monetary Reward Processing and Emotion Regulation in Adolescence: An fMRI pilot Study

Penn State College of Medicine, Department of Psychiatry

P.I. Dr. Dara Babinski | Project Role: Project Coordinator

Study Summary: This work utilizes EEG and fMRI techniques to identify patterns of brain activation underlying monetary reward processing and emotion

regulation in adolescents, as well as the correspondence between parent and adolescent neural activation.

Treatment Studies

2019—2020

*Reward and Punishment Sensitivity and Treatment Response in Children with Disruptive Behavior Disorders and Callous-Unemotional Traits

§39,301 Children's Miracle Network

P.I. Dr. Daniel Waschbusch | Project Role: Project Coordinator

Study Summary: This work aims to examine the effectiveness of parent management training for children with conduct problems and callous-unemotional traits in children 5 to 12 years of age.

2018—2020

*The Role of Parental Emotion Regulation in Parent-Child Conflicts

§59,993 Tobacco CURE Project, PA Department of Health

P.I. Dr. James Waxmonsky | Project Role: Project Coordinator

Study Summary: This work aims to address negative parenting through therapy in order to combat child misbehavior in the home. Throughout this study EEG data is collected from both parents and children, as well as a recorded interaction.

2018—2020

Neurophysiological Markers of Pediatric Irritability and its Response to Intervention

§39,848 Children's Miracle Network Research

P.I. Dr. Raman Baweja | Project Role: Project Coordinator

Study Summary: This work aims to predict both ADHD and irritability in children ages 5 to 12 years old through EEG ERP and LPP data and how both of these realms may be better managed with stimulant medication.

Pharmaceutical Trials

2019—2020

A Phase 3, Randomized, Double-Blind, Placebo-Controlled, Parallel Group, Adult Laboratory Classroom Study to Evaluate the Safety and Efficacy of PRC-063 Compared to Placebo in Adults with ADHD

Purdue Pharma

P.I. Dr. Dara Babinski | Project Role: Project Coordinator

Study Summary: This work aims to continue testing the effectiveness of a new, extended-release, stimulant medication in adults with ADHD.

2018—2020

Open-Label Extension Study to Evaluate the Long Term Safety and Efficacy of SPN-812 ER for the Treatment of Pediatric Patients with Attention Deficit/Hyperactivity Disorder (ADHD).

Supernus Pharmaceuticals

P.I. Dr. James Waxmonsky | Project Role: Project Coordinator

Study Summary: This open-label investigational trial is a continuation study for participants who participated in the original blinded study.

2018—2019

Evaluation of SPN-812 ER 400 and 600 mg Efficacy and Safety in Adolescents with ADHD - A Double-Blind, Placebo Controlled, Pivotal Trial

Supernus Pharmaceuticals

P.I. Dr. James Waxmonsky | Project Role: Project Coordinator

Study Summary: This investigational trial seeks determine the safety and efficacy of a non-stimulant drug in children ages 6 to 17 years with ADHD.

Other Studies

2018—Present

Maternal Depression and Reward Responsiveness

\$40,000 Children's Miracle Network

P.I. Dr. Dahlia Mujurkee, Dr. Dara Babinski | Project Role: Research Support

Study Summary: This work examines maternal reward responsiveness, measured across neurophysiological, behavioral, and self-report measures as a marker of depression in mothers of adolescents.

2018

Penn Medicine Lancaster General Hospital, Trauma Surgery | Research Assistant*Dr. Frederick Rogers*

2018

Trauma Patients Admitted to Non-Surgical Services: A Marker for Poor Outcome

Lancaster General Hospital, Department of Acute and Trauma Surgery

P.I. Dr. Eric Bradburn | Project Role: Research Intern

Study Summary: This work aimed to investigate how trauma patient surgical outcomes are affected based on whether or not they are admitted to a recognized trauma center.

2018

American Trauma Society, Pennsylvania Division (ATSPA) Safety Grant Award

\$1,400 State Mini-Grant

P.I. Dr. Eric Bradburn | Project Role: Research Intern

Study Summary: This grant was awarded to provide funding to train and supply rural and Amish populations with the skills and supplies necessary to deliver trauma care prior to the arrival of medical services.

2017—2020

Penn State, The Relationships and Stress Lab | Research Assistant (2017-2020) & Lab Manager (2017-2018)*Dr. Amy Marshall*

2019

*Family Violence: The Role of Trauma

\$1,835,954 National Institute of Health, NICHD

P.I. Dr. Amy Marshall | Project Role: Research Assistant

Study Summary: This work aims to bridge the gap between trauma exposure and family violence perpetration in the context of diverse forms of perceived threat.

2018

*Mechanisms of Firearm-Related Family Violence: Children, Intimate Relationships, and Conflictual Life Events (CIRCLE) Study II

\$4,915 Penn State Justice Center for Research

P.I. Dr. Amy Marshall | Project Role: Lab Manager

Study Summary: This work is a continuation of the CIRCLE study, examining behavior observed in inter-parental and parent-to-child aggression while also assessing the effects of the presence of firearms in the household.

2018

*Emotion Regulation and Co-regulation in Couples with Posttraumatic Stress Disorder

\$155,093 National Institute of Health

P.I. Dr. Steffany Fredman | Project Role: Lab Manager

Study Summary: This work investigates how PTSD affects emotion regulation in couples through the examination of patterns in voice frequencies during specific interactions.

2017—2018	*Predicting Severity of IPA in Men with PTSD through Romantic Relationships <i>Penn State University Park, Department of Clinical Psychology</i> P.I. Amy Marshall Project Role: Research Assistant <i>Study Summary:</i> This work examined how interpersonal aggression may be able to be predicted through behaviors observed through couple interactions.
2015—2016	Penn State, Freshman Research Initiative Research Student <i>Dr. Kim Nelson, Dr. Glenna Malcolm, Dr. Charles Anderson</i>
2016	Heat and Drought Tolerance of Transgenic Plants in the Wheat Family <i>Penn State University Park, Department of Biology</i> P.I. Dr. Charles Anderson Project Role: Research Student <i>Study Summary:</i> This work investigated various DNA mutations in the Wheat family that would survive extreme weather circumstances with an aim to target hunger crises in areas with poor growing conditions.
2016	Environmental and Toxic Stressors on <i>Arabidopsis</i> Thaliana <i>Penn State University Park, Department of Biology</i> P.I. Dr. Charles Anderson Project Role: Research Student <i>Study Summary:</i> This work investigated transgenic mutations within <i>Arabidopsis</i> Thaliana that would be able to survive extreme conditions such as extremely acidic or basic environments.

TEACHING

FA 2024	Adjunct Professor, Department of Psychology University of Rochester PSYC 276, Psychology of Parenting
2020—2023	Graduate Teaching Assistant, Department of Psychology University of Rochester
SP 2021	PSYC 262, Human Motivation <i>Dr. Christopher Neimiec</i>
FA 2020, FA 2021, FA 2023	PSYC 289, Developmental Child Psychopathology <i>Dr. Jennifer Aube</i>
2018—2020	Research Advisor, Illinois Science and Technology Coalition (Remote)
2016—2018	Teaching Assistant, Department of Biology Penn State BIOL 230W Lab, Molecular and Cellular Biology <i>Dr. Jennelle Malcos, Dr. Matthew Endres</i>
SP. 2017, SP2018	BIOL 120A, Plants, People, and Places <i>Dr. Glenna Malcolm</i>
2016	Research Supervisor, Freshman Research Initiative, Department of Biology Penn State

Dr. Kim Nelson, Dr. Glenna Malcolm

INVITED TALKS & LECTURES

FA 2024

University of Rochester | PSYC 289 | Developmental Psychopathology

Instructor: Dr. Jennifer Aube

Guest Lecture | Topic: Disruptive Behaviors and CU Traits

SP 2024

Society for the Scientific Study of Psychopathy Biennial Conference

Invited Blitz Talk

Identifying Sources of Heterogeneity in the Associations Between Children's Affect- Biased Attention and CU Trait Development: The Moderating Role of Emotion Understanding

FA 2023

University of Rochester | PSYC 375 | Guided Research in Developmental Psychopathology I and II

Instructor: Dr. Patrick Davies

Guest Lecture | Topic: What Role Does Children's Empathy and Callousness Play in the Development of Psychopathology?

FA 2023

University of Rochester | PSYC 263 | Relationship Process & Emotions

Instructor: Claire Shimshock, M.A. & Jenny Le, M.A.

Guest Lecture | Topic: Behavioral Control Systems: Attachment & Social Defense

FA 2023

University of Rochester | PSYC 289 | Developmental Psychopathology

Instructor: Dr. Jennifer Aube

Guest Lecture | Topic: Disruptive Behaviors and CU Traits

SU 2023

University of Rochester | PSYC 282 | Psychopathology

Instructor: Rachel Rivera, M.A.

Guest Lecture | Topic: Externalizing Disorders: CU Trait and Empathy Development

FA 2022

University of Rochester | PSYC 289 | Developmental Psychopathology

Instructor: Dr. Jennifer Aube

Guest Lecture | Topic: Disruptive Behaviors and Conduct Problems

SP 2022

Society for the Scientific Study of Psychopathy Biennial Conference

Invited Blitz Talk

Disentangling the relationship between parenting and callous-unemotional traits through a developmental lens

SP 2022

St. John Fisher College | PSYC 231 | Developmental Psychology

Instructor: Lucia Parry, M.A.

Guest Lecture | Topic: Middle Childhood Emotional and Social Development

FA 2021

University of Rochester | PSYC 289 | Developmental Psychopathology

Instructor: Dr. Jennifer Aube

Guest Lecture | Topic: CD, ODD, and ADHD

SERVICE

2025	Interview Weekend Coordinator <i>Department of Psychology University of Rochester</i>
2024	Developmental Faculty Search Committee Student Representative <i>Department of Psychology University of Rochester</i>
2023—2024	Colloquium Committee Student Representative <i>Department of Psychology University of Rochester</i>
2023—Present	Blocks in Bloom Parsells Block Liaison <i>City of Rochester</i>
2023—2024	490 Farmers Volunteer <i>City of Rochester</i>
2022—Present	Beechwood Community Gardens Volunteer <i>City of Rochester</i>
2022—2025	Developmental Program Student Representative <i>Department of Psychology University of Rochester</i>
2022—2024	The City Roots Community Land Trust and Connected Communities Volunteer <i>City of Rochester</i>
2020—2021	Diversity, Equity, and Inclusion (DEI) Committee Student Liaison <i>Department of Psychology University of Rochester</i>
2020—2024	Next Gen Psych Scholars Program Graduate Student Mentor <i>Department of Psychology University of Minnesota</i>
2018—2020	Mentor Match Engine Research Mentor <i>Department of Education Illinois Science and Technology Coalition</i>

REVIEWING ACTIVITIES

Ad Hoc Reviewing

Child Development
Clinical Child and Family Psychology Review (Co-reviewer | Dr. Patrick Davies)
Child Psychiatry & Human Development

Other

2023 SRCD Biennial Meeting Program
 Graduate Student Reviewer | Developmental Psychopathology Panel

MEDIA APPEARANCES

2016	Members of Penn State's service organization ServeState speak on their passion for volunteering https://www.collegian.psu.edu/news/campus/article_57c340dc-b845-11e6-81a7-4b612eccc930.html
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TECHNICAL TRAININGS

2024	Physiological Data Processing & Analysis Training, Auburn University <i>Dr. Mona El-Sheikh, Auburn University</i>
2024	Eye Tracking Methodologies, Binghamton University <i>Dr. Brandon Gibb, Binghamton University</i>
2024	Multilevel Modeling in R Stats Camp <i>Dr. Alex Schoemann, East Carolina University</i>
2023	Time Series Analysis for Intensive Longitudinal Data, Pitt Methods <i>Dr. Kathleen Gates, University of North Carolina</i>
2020, 2021	Intro to Structural Equation Modeling, Curran-Bauer Analytics (Online) <i>Dr. Patrick Curran & Dr. Dan Bauer, University of North Carolina</i>
2020	D-PICS Training Seminar, Penn State College of Medicine <i>Dr. Jessica Mattingly, Penn State Health</i>
2020	Structural Equation Modeling Short Course, University of Maryland <i>Dr. Gregory Hancock, University of Maryland</i>
2019	EEG and fMRI Processing Retreat, Vanderbilt University <i>Dr. Autumn Kujawa, Vanderbilt University</i>
2019	R for Social Scientists Workshop, Carnegie Mellon University <i>Dr. Jeffrey Girard, Carnegie Mellon</i>
2018	Clinical Research Skills Workshop, Penn State College of Medicine <i>Terry Novchich, RN, BSN, CCRC, Penn State College of Medicine</i>
2018	EEG Collection and Processing Retreat, Penn State College of Medicine <i>Dr. Autumn Kujawa, Vanderbilt University</i>

SOFTWARE & PROGRAMS PROFICIENCIES

Audacity	BrainVision	Canva
CATS IRB	EPIC	E-Prime
Electrocardiography	Electroencephalography	i2b2
PCR	Presentation	R/R Studio
RedCap	NMR/IR Spectroscopy	Matlab/SPM
Microsoft Office	Mindware	Mplus
SPSS	Tableau	Qualtrics

CLINICAL EXPERIENCE

2019—2020	*Annual Summer Treatment Program (STP) for Children with ADHD and related disorders <i>\$72,000 Children's Miracle Network Penn State College of Medicine Department of Psychiatry</i>
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Program Director: Dr. Daniel Waschbusch | Project Role: Assistant Coordinator
Program Summary: The STP is designed to implement behavioral training through a point system in a summer camp setting for children exhibiting externalizing behaviors.

CLINICAL ASSESSMENT SKILLS

2019	Administration of the Wide Range Achievement Test (WRAT)
2019	Administration of the Wechsler Intelligence Scale for Children (WISC)
2018	Administration of the Wechsler Abbreviated Scale of Intelligence (WASI)
2018	Diagnostic Interview Schedule for Children (C-DISC)
2018	Administration of the Development and Well-Being Assessment (DAWBA)
2018	Columbia—Suicide Severity Rating Scale Certification (C-SSRS)
2018	B-Con Certified