

Dawson Haddox

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EDUCATION

University of Arizona August 2025–May 2031 (Expected)
Ph.D. in Clinical Psychology
Advisor: Zachary Cohen (Personalized Treatment Lab)

Dartmouth College September 2021–June 2025
BA in Psychology, Minor in Computer Science
Summa Cum Laude | Phi Beta Kappa | Honors in the Major
Honors Thesis: *Examining the Causal Influence of Insider Language on Social Connection*
Advisors: Nicholas C. Jacobson, Thalia Wheatley

RESEARCH INTERESTS

I use intensive longitudinal and computational methods to understand how symptoms, emotions, cognitions, and behaviors vary within and across individuals over time in internalizing psychopathology and its treatment. My work evaluates the potential of digital phenotyping to predict and enhance treatment outcomes, with the goal of developing scalable, precision digital therapeutics and actuarial decision-support tools for clinicians. I am also interested in advancing the measurement and conceptualization of internalizing psychopathology and treatment processes.

AWARDS & GRANTS

University of Arizona Department of Psychology Conference Travel Award (\$500)	2026
University of Arizona Graduate and Professional Student Council Travel Grant (\$1500)	2025
Lt. William Brewster Nickerson 1964 Psychology and Brain Sciences Prize for Excellence and Leadership in Undergraduate Research	2025
Exceptional Academic Achievement in Psychology and Brain Sciences	2025
Kaminsky Family Fund Thesis Award (\$1000)	2024
Rockefeller Center for Public Policy and the Social Sciences Honors Thesis Grant (\$2000)	2024
Dartmouth Department of Psychological and Brain Sciences Jack Baird Prize (\$815)	2024
Neukom Institute for Computational Science Travel Grant (\$1,000)	2024
Undergraduate Advising and Research Conference Grant (\$500)	2024

Bones Gate Academic Foundation (\$250)	2024
David C. Hodgson Endowment for Undergraduate Research Award (\$5,800)	2024
James O. Freedman Presidential Scholar (\$2,400)	2023
Bones Gate Academic Foundation (\$250)	2023

PEER-REVIEWED PUBLICATIONS

- Haddox, D.**, Mackin, D. M., Griffin, T. Z., Heinz, M. V., Nemesure, M. D., Collins, A. C., Price, G. D., Lekkas, D., Pillai, A., Nepal, S., Campbell, A. T., & Jacobson, N. C. (2026). Psychometric properties and validity of a Mobile Patient Health Questionnaire–9 (MPHQ-9) for ecological momentary assessment in depressed adults. *Psychological Assessment, 38*(3), 159–170. <https://doi.org/10.1037/pas0001431> **[APA Editor’s Choice]**
- Langener, A. M., **Haddox, D.**, Mackin, D. M., Price, G. D., Lekkas, D., Collins, A. C., Griffin, T. Z., Heinz, M. V., Nemesure, M. D., Nepal, S., Pillai, A., Campbell, A. T., & Jacobson, N. C. (2026). Passive data do not improve prediction or detection of alcohol consumption beyond temporal patterns in major depression: A 90-day cross-validated study. *Addictive Behaviors, 175*, 108624. <https://doi.org/10.1016/j.addbeh.2026.108624>
- Collins, A. C., Price, G. D., Dainer-Best, J., **Haddox, D.**, Beevers, C. G., & Jacobson, N. C. (2024). Changes to positive self-schemas after a positive imagery training are predicted by participant characteristics in a sample with elevated depressive symptoms. *Cognitive Therapy and Research*. <https://doi.org/10.1007/s10608-024-10544-3>

MANUSCRIPTS UNDER REVIEW

- Langener, A. M., Price, G. D., **Haddox, D.**, Heinz, M. V., Mackin, D. M., Nemesure, M. D., Collins, A. C., Griffin, T. Z., Pillai, A., Nepal, S., Lekkas, D., Campbell, A. T., & Jacobson, N. C. (under review). Predicting weekly instability in depressive symptoms among individuals diagnosed with Major Depressive Disorder using deep learning and passively gathered movement data. <https://osf.io/w62fe/files/wcrq8>
- Collins, A. C., **Haddox, D.**, Calafiore, C., Gallagher, M. R., Heinz, M. V., Lekkas, D., Griffin, T. Z., Nemesure, M. D., Price, G. D., Nepal, S., Pillai, A., Mackin, D. M., Campbell, A. T., Winer, E. S., & Jacobson, N. C. (under review). Digital biomarkers of avoidance and their relationship with depression and anxiety symptoms. https://doi.org/10.31219/osf.io/v4wzr_v1
- Templeton, E., Chang, L., Cone LeBeaumont, M., Nook, E., **Haddox, D.**, Aiman, E., & Wheatley, T. (under review). From talk to telepathy: The spontaneous use of insider language in casual conversation. <https://doi.org/10.31234/osf.io/g38cx>

FIRST-AUTHOR MANUSCRIPTS IN ACTIVE PREPARATION

+ Denotes shared first authorship.

Haddox, D., Fried, E., Cohen, Z. D. (in prep). Modular PHQ-9 Adaptations: Validating single-barreled items, weekly recall, and irritability and libido items.

Haddox, D., Cohen, Z. D., Aras, S., Sachdeva, A. (in prep). Evaluating open-source time-series foundation models for digital phenotyping.

Haddox, D.+, Behbehani, L.+, Siepe, B., Petersen, F., Langener, A., Vogelsmeier, L., Evers, K., Epelbaum, V., Benz, S., Cohen, Z. D., Wang, S., Ruf, A., Neubauer, A. B., Haslbeck, J., Ebrahimi, O. V. (in prep). Short-term psychology misleads long-term prediction: A multi-timescale examination of core clinical mechanisms from hours to years

Cohen, Z. D.+, **Haddox, D.**+, Cushing, C., Akre, S., Welsh, R. C., Kuhn, T., Null, K., Welborn, A., Zbozinek, T., Jones, K., & Craske, M. G. (in prep). From behavior to brain: Digital phenotyping of depressive-anhedonia and the depressive-anhedonic brain.

SELECTED CONFERENCE PRESENTATIONS

Haddox, D., Choukas, N., Valus, T., Wolitzky-Taylor, K., Craske, M., & Cohen, Z. (June, 2026). Using digital therapy platforms as measurement systems for psychotherapy process research. In T. Lin (Chair), **Haddox, D.**, Schmidt, S., Xingjua, L., Webb, C. (Discussant): *Extending the reach of psychotherapy: Digital technology enables real-world measurement, prediction, and scalable interventions*. Symposium at Society for Psychotherapy Research, Osaka, Japan.

Haddox, D., Sachdeva, A., & Cohen, Z. (May, 2026). Benchmarking time series foundation models for digital phenotyping using zero-shot, task-specific fine-tuning, and idiographic fine-tuning approaches. In **Haddox, D.** (Chair), Jacobson, N.C., Ebrahimi, O.V. Southward, M. Fried, E. (Discussant): *Advancing predictive models of mental health outcomes using intensive longitudinal data*. Symposium at Association for Psychological Science, Barcelona, Spain.

Haddox, D., Fried, E., & Cohen, Z. (May, 2026). Modular PHQ-9 adaptations: Validating single-barreled items, weekly recall, and irritability and libido items. In Cohen, Z. (Chair), **Haddox, D.**, Fried, E., Gillan, C.M., Ebrahimi, O.V. (Discussant): *Improving multimodal measurement via better self-report, cognitive, and intensive longitudinal data*. Symposium at Association for Psychological Science, Barcelona, Spain.

Haddox, D., Aiman, E., Templeton, E., & Wheatley, T. (May, 2025). *Examining the causal influence of insider language on social connection*. Poster presented at the Karen E. Wetterhahn Science Symposium, Hanover, NH.

Haddox, D., Mackin, D. M., Heinz, M. V., Nemesure, M. D., Collins, A. C., Price, G. D., Griffin, T. Z., Pillai, A., Nepal, S., Lekkas, D., Campbell, A. T., & Jacobson, N. C. (November, 2024). *Assessing the psychometric properties and validity of an ecological momentary assessment version of the PHQ-9 with sliding scales*. Poster presented at the

58th Annual Convention of the Association for Behavioral and Cognitive Therapies, Philadelphia, PA.

Price, G. D., Langener, A. M., **Haddox, D.**, Heinz, M. V., Mackin, D. M., Nemesure, M. D., Collins, A. C., Griffin, T. Z., Pillai, A., Nepal, S., Lekkas, D., Campbell, A. T., & Jacobson, N. C. (May, 2024). *Predicting weekly variability in depressive symptoms using deep learning and passively-collected movement data*. Poster presented at the Supporting Health by Technology Conference, Groningen, Netherlands.

Haddox, D., Aiman, E., Templeton, E., & Wheatley, T. (May, 2024). *Detecting insider language in natural conversation*. Poster presented at the Karen E. Wetterhahn Science Symposium, Hanover, NH.

Haddox, D., Aiman, E., Templeton, E., & Wheatley, T. (May, 2024). *Detecting insider language in natural conversation*. Poster presented at The Love Consortium's 2024 TLC Love Conference, Chapel Hill, NC.

Templeton, E., **Haddox, D.**, Aiman, E., Chang, L., & Wheatley, T. (February, 2024). *Conversational launch pads and insider language between strangers and friends*. Poster presented at the Annual meeting of the Society for Personality and Social Psychology, Emotion Preconference, San Diego, CA.

Price, G. D., Langener, A. M., **Haddox, D.**, Heinz, M. V., Mackin, D. M., Nemesure, M. D., Collins, A. C., Griffin, T. Z., Pillai, A., Nepal, S., Lekkas, D., Campbell, A. T., & Jacobson, N. C. (October, 2023). *Predicting weekly variability in depressive symptoms among individuals diagnosed with major depressive disorder using deep learning and passively gathered movement data*. Poster presented at the Center for Technology and Behavioral Health's Digital Health Summit: Clinically-Validated Digital Therapeutics: Innovations in Scientific Discovery, Clinical Applications, and Global Deployment, Hanover, NH.

SELECTED RESEARCH EXPERIENCE

Personalized Treatment Lab, University of Arizona

July 2025–Present

Graduate Student Researcher | Advisor: Zachary D. Cohen, Ph.D.

- Leading an implementation of several open-source time series foundation models for digital phenotyping and evaluating their performance compared to classical deep learning and machine learning approaches.
- Leading study planning, IRB, and infrastructure for an extension of Eiko Fried's WARN-D study testing generalizability of predictive models of depression onset.
- Co-leading a multi-site, multi-timescale project examining relationships between psychological mechanisms and symptoms from hours to years, originating from a 2025 Measurement Is the New Black hackathon.
- Validated three modular PHQ-9 adaptations (single-barreled items, weekly recall, irritability and libido items) across six samples, establishing psychometric comparability with the original scale.
- Developed a configurable preprocessing pipeline for Apple HealthKit data supporting flexible loading, cleaning, and aggregation across multiple lab and external studies.

- Several additional responsibilities and projects, spanning data preprocessing, documentation correction, data analysis, writing, review, conceptualization, and assisting extramural funding applications.

AI & Mental Health Lab, Geisel School of Medicine

August 2023–September 2025

Research Assistant | Advisor: Nicholas Jacobson, Ph.D.

- Conducted an independent project evaluating the psychometric properties and validity of an ecological momentary assessment measure of depression.
- Conducted an independent project examining how preprocessing and modeling strategies differentially extract signal from screen time data about current and future loneliness.
- Contributed to writing and programming for a project using network analysis to explore associations between depression symptoms, anxiety symptoms, and passive sensing markers of avoidance.
- Contributed to writing and programming for projects using deep learning to predict depression symptoms, depression instability, PTSD symptoms, and substance use from ecological momentary assessment and passive sensing data.
- Conducted literature searches and contributed to writing for projects using machine learning to predict responses to a positive imagery digital intervention for depression and to single-session interventions for adolescent depression.
- Assisted in training a mental health chatbot by adapting therapy manuals for anxiety and eating disorders into patient-therapist dialogues and evaluating the performance of different model architectures.

Dartmouth Social Systems Lab, Dartmouth College

September 2022–June 2025

Presidential Scholar | Advisor: Thalia Wheatley, Ph.D.

- Designed, collected, and analyzed data for an honors thesis investigating the causal influence of insider language on social connection.
- Assisted in fMRI scanning for a study on neural synchrony during independent and collaborative storytelling tasks. Reviewed literature on methods for quantifying free recall accuracy and explored scoring approaches including hand-scoring, LLMs, semantic similarity analysis, and automated summary evaluation.
- Conducted an independent project investigating the applicability of the peak-end rule to retrospective assessments of connection in conversation.
- Annotated instances of insider language in conversation recordings, designed categories and sub-categories to categorize hundreds of instances of insider language, and assisted with conducting analyses and creating visualizations.
- Corrected computer vision annotations on a social gathering recording to track individuals' movement across social groups and in and out of the venue.

Cross-Cultural Relationships Study, Whittier College

May 2024–Present

Collaborator | with Charles T. Hill, Ph.D.

- Designed a cross-cultural study on feelings and behaviors in friendships, romantic partnerships, and parent-child relationships.
- Developed and refined a comprehensive Qualtrics questionnaire surveying demographics, relationship characteristics and dynamics, and cultural norms.

- Coordinated with international collaborators to translate the questionnaire into Tagalog, Japanese, and Italian.

CLINICAL EXPERIENCE

Behavioral Health Clinic, University of Arizona January 2026–Present
Assessment Practicum Trainee | Supervisors: Andrew B. Perkins, Ph.D., Amelia I. Mevans, M.A.

- Administering psychological and neuropsychological assessments to undergraduates, including the SCID-5 and MMPI-3.

Hanover Center for Cognitive Behavioral Therapies January 2024–March 2024
Clinical Assistant | Supervisor: Seoka Salstrom, Ph.D.

- Composed psychoeducational and neuropsychological evaluation reports and helped administer computer-based evaluations with oversight from the clinic’s neuropsychological and learning disabilities specialist.
- Conducted literature reviews to help clinical psychologists stay current with emerging treatment modalities and best practices.
- Created an organized database of psychometric tests, diagnostic measures, associated research papers, and guidelines for easy reference.
- Engaged in mentorship and advice meetings with clinicians from diverse backgrounds and attended weekly practice and clinical meetings.
- Performed various administrative and technical duties, including managing client communication, providing technical support for clinicians, billing, creating guides for future employees, managing office supplies and mail, and engaging with child clients while clinicians met with their parents.

TEACHING EXPERIENCE

Teaching Assistant, PSY 101 Introduction to Psychology Fall 2025, Spring 2026
 University of Arizona, Department of Psychology
Instructor: Ciara Atkinson, Ph.D.

Guest Lecture, MIS 545 Data Mining and Machine Learning Fall 2025
 University of Arizona, Department of Management Information Systems
Instructor: Agrim Sachdeva, Ph.D.
Lecture: Machine Learning for Digital Phenotyping and Precision Medicine in Mental Health Care

Tutor, PSYC 10 Experiment Design, Methodology, & Data Analysis Procedures Winter 2025
 Dartmouth College, Department of Psychology

PROFESSIONAL AFFILIATIONS

Association for Behavioral and Cognitive Therapies (ABCT)	2024–Present
Association for Psychological Science (APS)	2026–Present
Southern Arizona Psychological Society (SAPA)	2026–Present