

May 2025

Liam W. Hart

Ph.D. Student

School of Cognition & Brain Sciences | Georgia Institute of Technology

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RESEARCH INTERESTS

Areas of specialization

Cognitive Aging, Autobiographical Memory

Areas of competence

Natural Language Processing

EDUCATION

2029 (expected)	Ph.D.	Georgia Institute of Technology Psychology (Adult Development and Aging) Dissertation: <i>Forthcoming</i> . Advisor: Hsiao-Wen Liao, Ph.D.
2026 (expected)	M.S.	Georgia Institute of Technology Psychology (Adult Development and Aging) Thesis: <i>Forthcoming</i> .
2018 – 2021	B.S.	Grand Valley State University Psychology Major, Applied Statistics Minor Research Designation and Honors

RESEARCH EXPERIENCE

2024 –	PhD Student , <i>Janus Laboratory</i> , Georgia Institute of Technology Project: <i>Investigating Age Differences in High and Low Points with Natural Language Processing</i> Advisor: Hsiao-Wen Liao, Ph.D.
2023 – 2024	Clinical Research Coordinator , Henry Ford Health Project: <i>BRIGHT Trial</i> Principal Investigator: Samantha Tam, M.D.
2020 – 2023	Undergraduate Researcher , <i>Social Cognition Lab</i> , Grand Valley State University Project: <i>Beliefs Influence Argumentative Essay Writing</i> Advisor: Michael Wolfe, Ph.D.
2019 – 2022	Undergraduate Researcher , Independent Study under Jing Chen, Ph.D., Grand Valley State University Project: <i>Curricular Interventions on Ageism in College Students</i>

2018 – 2019 **Undergraduate Research Assistant**, Exercise Science Lab, Grand Valley State University
 Project: *Effect of Pre-exercise Treatments on Power Output*

PUBLICATIONS

Peer-Reviewed Journal Publications

In preparation **Hart, L. W.**, & Liao, H. –W.
Forthcoming.

2024 Wolfe, M. B. W. Russell, G., Williams, T., & **Hart, L. W.**
 Verification of Past Beliefs Influences Current Beliefs
The Open Psychology Journal

2024 **Hart, L. W.**, Wolfe, M. B. W. Russell, G., & Williams, T.
 Beliefs Influence Argumentative Essay Writing
Instructional Science

2023 **Hart, L. W.**, & Chen, J.
 Can a course on aging with a service-learning component change students' attitudes toward aging?
Educational Gerontology

INVITED TALKS

2023 **Hart, L. W.**
 Research, Student Scholarship, and Beyond: My Academic Journey.
Grand Valley State University Student Scholar's Day

CONFERENCE PRESENTATIONS

Peer-Reviewed Conference Presentations

2025 Sragi, Z., Elsiss, F., Adjei Boakye, E., Coyne, P., Zreik, M., Springer, K., Nair, M., Murphy, D., Copeland, L., Redding, A., Choi, E., **Hart, L. W.**, Chang, S., Hirko, K., & Tam, S.
 Enhancing PROM engagement: a mixed methods approach to reminder interventions and patient preferences in head and neck cancer.
American Head and Neck Society Annual Meeting (poster).

2024 Okifo, O., Adjei Boakye, E., **Hart, L. W.**, Wilson, C., Hirko, K., Al-Antary, N., Chang, S., Elsiss, F., Ryan, M., Zatirka, T., & Tam, S.
 Socioeconomic factors impacting equity in completion of patient-reported outcome measures among patients with head and neck cancer.
American Head and Neck Society (AHNS) Annual Meeting at COSM (poster).

2023 **Hart, L. W.**, Russel, G., Wolfe, M. B. W. & Williams, T.
 Beliefs influence argumentative writing.
Midwest Cognitive Science Conference (poster).

- 2022 **Hart, L. W.**, Russel, G., Wolfe, M. B. W. & Williams, T.
Belief change after reading predicts argumentative essay content.
Annual Meeting of the Society for Text and Discourse (virtual talk).
- 2022 **Hart, L. W.**, Russel, G., Wolfe, M. B. W. & Williams, T.
Information about past beliefs influences current beliefs.
Midwestern Psychological Association Conference (poster).
- 2020 **Hart, L. W.**
Effect of mindfulness meditation on life satisfaction and self-esteem in retirement home residents.
Art and Science of Aging Conference (poster).

Institutional Presentations & Symposia

- 2025 **Hart, L. W.**
Forthcoming.
Georgia Institute of Technology School of Cognition & Brain Science Brownbag (talk).
- 2024 **Hart, L. W.**, Slavin-Spenney, O., Halama, F., McLeod, T., Schultz, R., Tam, S., Chang, S., & Graboyes, E.
Effects of a brief cognitive behavioral treatment vs attention control for body image-related distress among head and neck cancer survivors: a multi-site RCT.
Henry Ford Health Annual Research Symposium (poster).
- 2022 **Hart, L. W.**, & Russel, G.
Information about past beliefs influences current beliefs.
Grand Valley State University Student Scholars Day (poster).
- 2021 **Hart, L. W.**
Information about past beliefs influences current beliefs.
Grand Valley State University Student Summer Scholars Showcase (talk).
- 2021 **Hart, L. W.**
Can ageism be reduced by service learning built in a lecture-based aging course?
Grand Valley State University Student Scholars Day (virtual talk).
- 2019 Gordon, J., **Hart, L. W.**, Montalbano, J., Warner, A., & Zanders, S.
The effect of different pre-exercise treatments on power output.
Grand Valley State University Student Scholars Day (poster).

TEACHING EXPERIENCE

- 2025 **Lab Instructor**, Georgia Institute of Technology
Instructed weekly labs and advised students on course material
– *Cognitive Psychology (PSYC 4011)*, Fall 2025

- 2024 – 2025 **Teaching Assistant**, Georgia Institute of Technology
Graded assignments, created course materials, and held office hours
– *General Psychology (PSYC 1101)*, Spring 2025
– *Developmental Psychology (PSYC 2103)*, Fall 2024, Summer 2025
- 2021 **Peer Mentor**, Psych Friends, Grand Valley State University
Met 1 on 1 with undergraduate psychology students

FELLOWSHIPS, GRANTS, & RECOGNITION

Fellowships & Scholarships

- 2024 – 2028 **President's Fellowship**, Georgia Institute of Technology
Awarded to top 10 percent of incoming doctoral students
\$24,000
- 2018 – 2021 **Award for Excellence**, Grand Valley State University
Incoming freshman merit scholarship
\$17,500
- 2018 – 2021 **Faculty Scholarship**, Grand Valley State University
Incoming freshman merit scholarship
\$7,000

Research & Travel Grants

- 2022 **Regional Conference Travel Grant**, Psi Chi
\$320
- 2022 **Conference Travel Grant**, Office of Undergraduate Research, Grand Valley State University
\$500
- 2021 **Student Summer Scholars Grant**, Office of Undergraduate Research, Grand Valley State University
L. W. Hart and M. B. Wolfe.
Project: *Do changes in past beliefs influence current beliefs?*
\$7,750.

Honors & Awards

- 2022 **Excellence-in-a-Discipline Award**, Grand Valley State University
Recognizes one undergraduate student in each discipline
- 2022 **Robert Hendersen Leadership Award**, Psychology Department, Grand Valley State University
Recognizes one psychology student for effective leadership on campus
- 2022 **Outstanding Creative Achievement**, Frederik Meijer Honors College, Grand Valley State University
Project: *Perspectives on Psilocybin: The Science and Mysticism of Magic Mushrooms* (Podcast)
Selected as one of five recipients for outstanding honors senior projects

- 2021 **Undergraduate Research Scholar Designation**, Grand Valley State University
Recognized for excellence in disciplinary knowledge, research skills, ethics, and communication.
- 2019 – 2021 Dean's List, Grand Valley State University

OPPORTUNITIES PURSUED

- 2025 NSF Graduate Research Fellowship Program (GRFP)
 Submitted – Psychology Panel | National Science Foundation
 Project: *Forthcoming*

PROFESSIONAL DEVELOPMENT

- 2026 **Tech To Teaching Certificate**, Center for Teaching and Learning, Georgia Institute of Technology
Certificate program in college teaching, emphasizing evidence-based pedagogy, course planning, and supervised teaching practice
- 2025 **Neuromatch Academy Deep Learning Certificate**
Intensive program which covers neural networks, optimization, transformers, generative models, and reinforcement learning

PROFESSIONAL SERVICE

Organization of Conferences & Professional Meetings

- 2025 Organizer, Cognitive Brain Sciences and Aging Brownbag

Institutional Engagement

- 2025 Poster Judge, Annual Conference of Psychological Research at Georgia Institute of Technology
- 2022 Panelist, Grand Valley State University Undergraduate Research Fair

Leadership

- 2025 – Trip Leader, Outdoor Recreation Georgia Tech
- 2021 President, Grand Valley State University Psi Chi Chapter

Reviewing Work

Ad-hoc reviewer, Educational Gerontology

Memberships

Member, American Psychological Association & Division 20

Member, Association for Psychological Science

Member, Gerontological Society of America

Member, Society for Applied Research in Memory and Cognition

Member, Psi Chi

TECHNICAL SKILLS

Tool	Proficiency	Experience	Packages / Applications
Python	Proficient	General programming, deep learning	numpy, matplotlib, seaborn, pandas, sklearn, pytorch, transformers
R	Proficient	Statistical analysis	tidyverse packages, lme4, stm
Qualtrics	Competent	Data collection, experimental design	
REDCap	Competent	Data collection, experimental design	
Prolific	Competent	Data collection	
LaTeX	Familiar	General	

ACADEMIC REFERENCES

Hsiao-Wen Liao

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Georgia Institute of Technology
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Grand Valley State University
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