

Liam W. Hart

Curriculum Vitae

Macomb, MI

(586) 915-7434

<https://liamhart.netlify.app/>

hartli@mail.gvsu.edu

EDUCATION

2021 B.S. (Hons), Psychology
Grand Valley State University
Undergraduate Research Scholar Designation
Dean's List (Winter 2019, Winter 2020-Winter 2021)
Major: Psychology
Minor: Applied Statistics

RESEARCH INTERESTS

Attention, Cognitive Control, Perception, Learning, Memory, Metacognition, Computational Models of Cognitive Processes, Cognitive Development, Argument Evaluation

PROFESSIONAL EXPERIENCE

Research Coordinator, BRIGHT

Department of Research, Design & Analysis

Henry Ford Health

2020-Present

Responsibilities:

I work under Dr. Samantha Tam on the BRIGHT (Building a Renewed Image after Head and neck cancer Treatment) Trial, a multi-site clinical trial investigating the effectiveness of a cognitive-behavioral therapy designed to reduce body image distress in head and neck cancer survivors after surgical cancer treatment. I am responsible for all operational and regulatory duties, including screening and recruiting participants, communication with the IRB, upkeep of regulatory records, and tracking patient appointments and compensation. I have also taken an active role in other research projects, such as a reading and summarizing research articles for a scoping review of care fragmentation in cancer patients and have taken part in the data management, cleaning, and analysis for data related to multiple studies concerning the uses and benefits of PROMs (Patient Reported Outcome Measures) in cancer patient care.

Research Assistant, Social Cognition Lab

Department of Psychology

Grand Valley State University

2020-2023

Responsibilities:

I work in collaboration with Drs. Michael Wolfe and Todd Williams in their research on how salient information such as a reminder of past beliefs can influence current beliefs, and how beliefs can influence on argumentative writing after reading a one-sided text. Through reading research articles, book chapters, and lab discussions, I further developed my ability to critically evaluate psychological studies and integrate findings into a holistic understanding of beliefs, attitudes, and text comprehension. In one experiment, argumentative essays were written by students that read a text that was either consistent or inconsistent with initial beliefs. I participated in a summer research program and created a Qualtrics questionnaire that was used to collect holistic ratings of the argumentative essays from online subjects. We also hand coded these essays for basic components of argumentation and other essay content. I used R to clean, analyze, and visualize the data we collected for presentations and manuscripts using regression and multi-level modeling with packages such as tidyverse, lmer, and ggplot2. Our first set of findings show that verifying past beliefs can influence current beliefs, confirming our belief fluency hypothesis. In the second study, on which I am the first author, we found that beliefs can influence the basic components of argumentation and other essay content such as a claim, reasons, and information borrowed from the text read. I gave oral and poster presentations on these findings at the 94th Midwest Psychological Association Conference, the 32nd annual meeting of the Society for Text and Discourse, and the Midwest Cognitive Science Conference. Both of these projects have been submitted to peer-reviewed journals.

Research Assistant, Jing Chen's Lab

Department of Psychology

Grand Valley State University

2019-2022

Responsibilities:

Dr. Jing Chen and I designed a study on the effect of mindfulness meditation on life satisfaction and self-esteem in an aging population that I presented at the Art and Sciences of Aging conference. Mindfulness meditation has had a surge in popularity in recent years and can be a simple intervention to reduce stress and improve well-being, however there are few studies that focus on an aging population. Unfortunately, this project was brought to an early end by COVID-19 shortly after being approved for data collection by the IRB. Following this, Professor Chen and I shifted our focus to a project examining whether her *Perspectives on Aging* course may reduce negative attitudes towards aging in students. After analyzing data collected from one of her classes using SPSS and R, we wrote a manuscript that is now published in *Educational Gerontology*. Finding interventions that reduce negative beliefs and attitudes towards aging is important because they can negatively impact everyday interactions with older adults, social policy, and the physical and cognitive effects of aging. We found that students had reduced negative attitudes towards aging after participating in the course, and the manuscript includes details about the course design and materials.

Research Assistant, Exercise Science Lab

Department of Movement Science

Grand Valley State University

2018-2019

Responsibilities:

I collaborated with Dr. Stephen Glass and other students in measuring muscle activation and power output when exercising with resistance training equipment after receiving pre-exercise treatments such as foam rolling. I aided in the writing of IRB submissions and facilitated the experimental sessions. My other lab mates and I presented a poster for a study proposal at the 23rd annual Student Scholars Day Conference at Grand Valley State University. This was my first poster presentation, and it gave me the experience to talk confidently about research studies I worked on and addressing questions.

PUBLICATIONS

- 2023 **Liam W. Hart**, Michael B. Wolfe, Greg Russell, and Todd J. Williams. (received decision of revise and resubmit). Belief Change After Reading Predicts Argumentative Essay Content.
- 2023 Michael B. Wolfe, Todd J. Williams, Alex J. Denison, and **Liam W. Hart**. (in review). Verification of Past Beliefs Moderates Belief Change.
- 2023 **Liam W. Hart** & Jing Chen (2023) Can a course on aging with a service-learning component change students' attitudes toward aging?. *Educational Gerontology*, 49:10, 894-904, DOI: [10.1080/03601277.2023.2178171](https://doi.org/10.1080/03601277.2023.2178171)

INVITED TALKS

- 2023 **Hart, L.** (2023) Research, Student Scholarship and Beyond: My Academic Journey. Oral presentation at the 27th Grand Valley State University Student Scholar's Day, Allendale, MI

CONFERENCE PRESENTATIONS

TALKS

- 2022 **Hart, L.**, Russel, G., Wolfe, M., & Williams, T. (2022) Belief Change After Reading Predicts Argumentative Essay Content. Paper presented at the 32nd Annual Meeting of the Society for Text and Discourse, virtual.
- 2022 **Hart, L.**, Russel, G. (2022) Information about Past Beliefs Influences Current Beliefs. Paper presented at the 26th Annual Grand Valley State University Student Scholars Day, Allendale, MI.

- 2021 **Hart, L.** (2021) Information about Past Beliefs Influences Current Beliefs. Paper presented at the Grand Valley State University Student Summer Scholars Showcase, Allendale, MI.
- 2021 **Hart, L.** (2021) Can Ageism Be Reduced by Service Learning Built in a Lecture-Based Aging Course? Paper presented at the 25th Grand Valley State University Student Scholars Day, virtual.

POSTERS

- 2023 **Hart, L., Russel, G., Wolfe, M., & Williams, T.** (2023) Beliefs Influence Argumentative Writing. Poster presented at the Midwest Cognitive Science Conference, Grand Rapids, MI.
- 2022 **Hart, L., Russel, G., Wolfe, M., & Williams, T.** (2022) Information About Past Beliefs Influences Current Beliefs. Poster presented at the 94th Midwestern Psychological Association Conference, Chicago, IL.
- 2020 **Hart, L.** (2020) Effect of Mindfulness Meditation on Life Satisfaction and Self-Esteem in Retirement Home Residents. Poster presented at the 15th Art and Science of Aging Conference, Grand Rapids, MI
- 2019 Gordon, J., **Hart, L.**, Montalbano, J., Warner, A., & Zanders, S. (2019) The Effect of Different Pre-exercise Treatments on Power Output. Poster presented at the 23rd Grand Valley State University Student Scholars Day, Allendale, MI.

HONORS & AWARDS

- 2022 Excellence-in-a-Discipline Award, Grand Valley State University.
Awarded to one undergraduate student in each discipline
- 2022 Robert Hendersen Leadership Award, Psychology Department, Grand Valley State University.
Awarded to 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].
One of five awards for outstanding honors senior projects
- 2021 Undergraduate Research Scholar Designation, Grand Valley State University
Awarded for exemplary student scholarship encompasses a depth of knowledge in the discipline, strong skills of inquiry, an understanding of research ethics, and strong skills in writing and presentation

GRANTS & SCHOLARSHIPS

- 2022 Regional Conference Travel Grant: Psi Chi, \$320.
Funding travel to 94th Midwest Psychological Association Conference

- 2022 Conference Travel Grant: Office of Undergraduate Research, Grand Valley State University, \$500.
Funding travel to 94th Midwest Psychological Association Conference
- 2021 Student Summer Scholars grant: Center for Scholarly and Creative Excellence, Grand Valley State University, Summer, 2021. L. Hart and M. Wolfe. Project: “Do changes in past beliefs influence current beliefs?” \$7,750.
Funded summer research on belief influences on argumentative writing
- 2018-2021 Award for Excellence, Grand Valley State University, \$17,500.
Incoming freshman merit scholarship
- 2018-2021 Faculty Scholarship, Grand Valley State University, \$7,000.
Incoming freshman merit scholarship

MENTORSHIP

- 2021 Psych Friends Peer Mentoring Program
Grand Valley State University, *Allendale, MI*

REVIEWING ACTIVITIES

- 2023 Reviewer, Educational Gerontology

COMMUNITY ENGAGEMENT AND LEADERSHIP

- 2022 Panelist at Grand Valley State University Undergraduate Research Fair, Allendale, MI
- 2021 President, Grand Valley State University Psi Chi Chapter

PROFESSIONAL AFFILIATIONS

- 2022-2023 Student member, Society for Text and Discourse
- 2022-2023 Student member, Psychonomic Society
- 2022-2023 Student member, Midwestern Psychological Association
- 2019-Present Member, Psi Chi

PROFESSIONAL AFFILIATIONS

Computational Skills

Programming languages: Proficient in R and Jamovi for statistical modeling and data visualization (tidyverse, tidymodels, lmer, ggplot2)

Data collection: Qualtrics, Prolific, REDCap

Statistical Skills

Analyses: Within & between subjects T-Test, one-way ANOVA, Pearson correlation, chi-square, simple linear regression, binomial logistic regression, multiple linear regression, factor analysis, mixed-model ANOVA, multi-level modeling

Other skills

Media processing: Amateur audio recording and editing in Adobe Audition and Audacity
Climbing: Single and multi-pitch traditional and sport climbing, anchor building, single-pitch ice climbing

REFERENCES

Michael Wolfe

Grand Valley State University
1 Campus Drive, Allendale, MI
(616) 331-2989
wolfem@gvsu.edu

Todd Williams

Grand Valley State University
1 Campus Drive, Allendale, MI
(616) 331-8976
willitod@gvsu.edu

Jing Chen

Grand Valley State University
1 Campus Drive, Allendale, MI
(616) 331-2867
chenj@gvsu.edu