

Bianca Aldrich, M.A.

EDUCATION

2023 – (expected August 2025)	PhD. Developmental Psychology Dissertation: “Parents’ Autonomy Support and Children’s Affect as Predictors of Children’s STEM Engagement in an Informal Educational Context” Chair: Dr. Catherine Haden Loyola University Chicago
2020 – 2023	M.A. Developmental Psychology Minor: Statistics Loyola University Chicago
2018 – 2019	B.A. Psychology Pacific University, Oregon
2012 – 2014	Completed 89 credit hours toward a BA in psychology Universidade Estadual de Maringá, Brazil

TEACHING INTERESTS

Developmental Psychology, Statistics, Cognitive Development, Research Methods, Learning and Memory, Lab in Developmental Psychology

RESEARCH INTERESTS

Informal learning, STEM learning, parent-child interactions, parental autonomy support, emotion and learning

GRANTS AND FELLOWSHIPS

2020-2024	Graduate Student Research Fellowship, Loyola University Chicago
2022-2024	Graduate School Travel Award, Loyola University Chicago
2022	Victor J. Heckler Fellowship (\$ 3,250), Loyola University Chicago
2023	Victor J. Heckler Fellowship (\$ 3,700), Loyola University Chicago

AWARDS AND HONORS

2017, 2018	President’s Honor List, Portland Community College, OR
2018, 2019	Dean’s Honor List, Pacific University, OR
2023	Three Minute Thesis Winner, Psychology Department, Loyola University
2024	Kobler Travel Award (\$500), Loyola University Chicago

TEACHING EXPERIENCE

- 2023 Statistics (Undergraduate)
 Loyola University Chicago
- 2024 Developmental Psychology (Undergraduate)
 Loyola University Chicago

RESEARCH EXPERIENCE

- 2019 – 2020 Research Assistant in the Center for ADHD research at OHSU – Portland.
- 2020 – Research Assistant in Children's Memory and Learning lab at Loyola University
 Chicago

PUBLICATIONS

Aldrich, B. M. & Haden, C. A., (2024). Associations between parents' autonomy supportive management language and children's STEM talk during and after tinkering at home. *Journal of Experimental Child Psychology* 247, 106034.
<https://doi.org/10.1016/j.jecp.2024.106034>

Aldrich, B. M., Metlicka, M., & Haden, C. A. *Children's affective involvement during tinkering at home mediates relations between oral storytelling and STEM engagement for girls.*
[Manuscript submitted for publication]

PROFESSIONAL PRESENTATIONS

CONFERENCE TALKS

*Note that name was Bianca Lopes

Aldrich, B. (2023, April). *Parental Autonomy Support and Children's STEM Engagement during an At-Home Tinkering Activity.* Paper presented at the XVI Annual Graduate School Research Symposium, Loyola University Chicago, Chicago, IL

Aldrich, B. & Silva, M. E. M. (2021, October). Autonomy and Structure for the Learning and Engagement of Children and University Students. In. A. Santos (Chair). *Healthy education through the promotion of socio-emotional competencies: from early education to the university.* Symposium presented at the XV International Congress of Educational Sciences and Development (online).

Aldrich, B. (2019, April). *Is There a Place for Radical Behaviorism in Modern Cognitive Psychology?* Paper presented at Senior's Project Day, Pacific University, OR.

Lopes, B. (2014). *A Reflection about Civilization in Norbert Elias and B. F. Skinner.* Paper presented at IV Seminar of Research Practice in Psychology, UEM, Maringá, PR, Brazil.

CONFERENCE POSTERS

*Denotes undergraduate student author

Aldrich, B. M., & Haden, C. A. (2025, May 1-3). *Emotion mediates storytelling and STEM engagement for girls during tinkering at home*. Poster presented at the biennial meeting of the Society for Research in Child Development, Minneapolis, MN.

George, R. E., Metlicka, M. A., **Aldrich, B. M.**, & Haden, C. A. (2025, May 1-3). *"Get in, monster!": Children's storytelling and STEM talk during iterative museum tinkering programs*. Poster presented at the biennial meeting of the Society for Research in Child Development, Minneapolis, MN

Aldrich, B. M., & Haden C. A., (2024, March 21-23). *Associations Between Autonomy Supportive Management Language and Children's STEM Talk During and After Tinkering at Home* [Poster presentation]. Cognitive Development Society Biennial Meeting, Pasadena, CA, United States.

Metlicka, M. A., **Aldrich, B. M.**, & Haden, C. A. (2024, April 18-20). *The Role of Children's Emotional Engagement in At-Home STEM Activities*. [Poster presentation]. Midwest Psychological Association Conference, Chicago, IL, United States.

Peyton, S. K.,* **Aldrich, B. M.**, Metlicka, M. A., & Haden, C. A. (2024, April 18-20). *Children's Emotional Engagement and STEM Talk in a Museum*. [Poster presentation]. Midwest Psychological Association Conference, Chicago, IL, United States

Aldrich, B. M., & Haden C. A., (2023, March 23-25). *Moment-to-Moment Associations Between Parental Autonomy Support and Children's STEM Engagement During Tinkering* [Poster presentation]. Society for Research in Child Development Biennial Meeting, Salt Lake City, UT, United States.

Aldrich, B. M., Ocular, G., & Haden, C. A. (2023, March 23-25). *Linkages Between Children's Story and STEM Engagement During Tinkering*. [Poster presentation]. Society for Research in Child Development Biennial Meeting, Salt Lake City, UT, United States.

Aldrich, B. M., Haden, C. A., Acosta, D. I., & Pagano, L. C. (2022, April 21-23). *Museum Practices that Support Children's Engineering Learning* [Poster presentation]. Cognitive Development Society Bi-Ennial Conference, Madison, WI.

ADVISING AND MENTORING

SENIOR CAPSTONE SUPERVISION

- 2024 Skye Peyton (Honors). *Children's Emotional Engagement and STEM Talk in a Museum*
- 2023 Noor Arja, *Autonomy Support and STEM Experience in Relation to Children's STEM Talk*
- 2023 Ashley Song, *Parents' STEM Background and their Production of Autonomy Supportive Language*
- 2022 Maddie Brophy, *Parents' STEM Occupations and Children's STEM Engagement During a Tinkering Activity*

CAMPUS TALKS

LOYOLA UNIVERSITY CHICAGO

- 2024: Parents' Autonomy Support and Children's Affect as Predictors of Children's STEM Engagement in an Informal Educational Context (Developmental Psychology Brown Bag)
- 2023: Parental Autonomy Support and Children's STEM Engagement during an At-Home Tinkering Activity (Developmental Psychology Brown Bag)

UNICESUMAR, BRAZIL

- 2023: Graduate School and Research in Psychology in the United States. Virtual Guest Lecture for Psychology Undergraduates at Unicesumar, Maringá, PR, Brazil.
- 2019: Studying Psychology in the United States: Cultural and Paradigmatic Aspects. Guest Speaker for Academic League of Psychology at Unicesumar, Maringá, PR, Brazil.

COMMUNITY SERVICE

- 2023 Volunteered as judge for CPS Regional STEM Exhibit
- 2023 Volunteered as graduate student representative for Women in Graduate School table in the Exploring Graduate Opportunities at Loyola event

ADVANCED STATISTICAL COURSEWORK

Longitudinal Data Analysis
Hierarchical Linear Model
Structural Equation Modeling

PROFESSIONAL AFFILIATIONS

Child Development Society
Society for Research in Child Development

REFERENCES

Dr. Catherine A. Haden
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