Aysia Kernin

Educational History

PhD School Psychology | Tulane University 2030*
Teaching Certificate (6-12 Mathematics) | College of Southern Idaho 2022
BS Psychology | Boise State University 2021
Certificate Intermediate Spanish | Boise State University 2021
Certificate Narrative Arts | Boise State University 2021
No Degree Earned (Engineering) | Northern Arizona University 2016-2017
High School Diploma | North Star Charter 2016

*Expected graduation date

Relevant Coursework

Engl 201 Writing & Research
Psyc 219 Cross-cultural Psychology
Psyc 291 Statistical methods
Psyc 297 Intro to R stats software
Psyc 301 Abnormal Psychology
Psyc 310 Adolescent and Adult Development
Psyc 321 Research methods
Psyc 331 The psychology of health
CW 401 Advance creative nonfiction
Psyc 405 Advanced Statistical Methods
Math 479 Undergrad research
Psyc 488 Directed research in psychology

Relevant Work Experience

Middle School Math Teacher | Village Leadership Academy August 2022 - June 2024
Responsible for the education, supervision and well-being of students grades 7-8 at a Title 1 school included responsibilities are Lesson planning, class management, Incident response, conflict management, and ability to work with students with disabilities.

Middle School Physical Education/Health Teacher | Pathways middle West ADA School district February 2022 - June 2022
Responsible for the education, supervision and well-being of students grades 7-8 at a Title 1 school included responsibilities are Lesson planning, class management, Incident response, conflict management, and ability to work with students with disabilities.

Research Assistant | Boise State University June 2021 – December 2021, 9hrs/week
Engage in ethical research methods and practices, read and review literature surrounding the research subject, data analysis, observational analysis, research writing, attend weekly research team meetings.

Research Assistant | Boise State University August 2020 – May 2021, 6hrs/week
Engage in ethical research methods and practices, read and review literature surrounding the research subject, data collection, data analysis, research writing, attend weekly research team meetings, present findings at a virtual conference.

Resident Assistant| Boise State University august 2018 – May 2021

Responsible for inputting accurate and timely records, maintaining student files, and updating electronic occupancy records, maintaining facilities standards, create a sense of community, promoting good citizenship, and encourage civility. Worked to Promote diversity inclusion and safe space for holders of all identities, worked with first year college students.

Committee Delegate| MLK Living Legacy Committee November 2019 – March 2020
Responsible for fostering an inclusive community, spreading the teachings of Martin Luther King jr., Planning and promoting inclusive educational events, attending weekly committee meetings.

Awards and Recognitions

Graduate Student Leader – Fall Graduating class 2021 Recognition for service to a department, organization, or program, outstanding and deserving achievements as a Boise State student leader and going above and beyond to make an impact at Boise State.
MLK Capital Celebration Speaker – January 2019 Chosen to be the closing speaker at the 2019 MLK Living Legacy Committee MLK Capital Celebration.
Team Boise slam poet — June 2019 Finished in the top 4 at the annual Boise Poetry Slam competition earning a spot on the City Team for the Bigfoot Regional Slam in Portland, OR. At Bigfoot Regional Slam was invited to perform on the finals stage.
Dean's List Spring semester 2020
Dean's List Fall semester 2020

Projects

Mathematical instruction: a neurodivergent study
Jun 2021 - Dec 2021Jun 2021 - Dec 2021, Associated with Boise State University
The study explored the spatial reasoning learning trajectory of a student with difficulty in mathematics. Using a teaching experiment methodology across 15 instructional sessions A narrative microgenetic analysis identified conditions that were likely to have promoted learning and describe how a student-centered approach and mathematizing through specific praise was generative of learning.

Extraversion and Coping mechanisms Extraversion and Coping mechanisms
Jan 2021 - Apr 2021 Associated with Boise State University
This paper documents the results of a study examining the correlation between socialization type and engagement with forms of coping. The study surveyed Psych 101 students at Boise State (N = 97). There was no significant correlation. Though there was no significant correlation, some notable data presented by the research includes that the minimum percentage of coping was 26.90% and the maximum was 84.60%. This indicates that no participant engaged solely in positive or negative coping mechanisms. Further research could examine triggers or occurrences that lead to engagement in one form of coping mechanism over the other.

Self-Reports of Persistence
Aug 2020 - Apr 2021Aug 2020 - Apr 2021, Associated with Boise State University
Persistence, a predictor of success, is of interest to psychologists. We examined the construct validity of a self-report measure of persistence by comparing it to an established persistence task. A significant but weak association was found. Researchers should be aware that self-reports are a weak indicator of actual persistence.
A poster presentation was used to present the project at the APS 2021 virtual conference

The Shelby Mobility Project
Aug 2018 - Dec 2018, Associated with Boise State University
Shelby is a Heeler-Husky mix that lost her front left leg. Her owner, Mandy Somerville, wanted a way to improve her mobility for walking and running. The team (including 3 other individuals) collaborated to research, develop, and construct a wheelchair for Shelby. The team regularly met with the client to test prototypes and ensure all needs were met. The final product was a device that successfully allowed Shelby to walk at a steady speed without excessive strain.

Citations

Crawford, A., & Kernin, A. (2022). 2D shape composition learning trajectory of a student with difficulty in mathematics [Research report].In A. E. Lischka, E. B. Dyer, R. S. Jones, J. Lovett, J. Strayer, & S. Drown (Eds.), *Proceedings of the forty-fourth annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 1607-1615). Middle Tennessee State University. https://doi.org/10.51272/pmena.44.2022

Crawford, A., & Kernin, A. (accepted, 2023). Mathematics instruction and mathematical vocabulary: Engaging a neurodivergent student [Research report]. In T. Lamberg, D. Moss, G. Waddell, Jr., L. Wiest, R. Welder, & H. Crawford-Ferre (Eds.), *Proceedings of the 45th Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education.* University of Nevada–Reno.

Crawford, A., & Kernin, A. (in press). Eva's opportunity to learn: A narrative analysis of mathematics instruction and self-regulation. *Insights into Learning Disabilities.*