

RESEARCH OPPORTUNITY

For Computer Science Students

Attachment & Neurodevelopment Laboratory

Hawk-Intellectual and Developmental Disabilities Research Center

ABOUT THE LAB AND CURRENT PROJECT:

We invite you to apply to join the Attachment and Neurodevelopment Lab (ANL), affiliated with the newly funded Hawk-Intellectual and Developmental Disabilities Research Center, under the lead of Dr. Lane Strathearn. The lab is launching an exciting interdisciplinary study that will recruit hundreds of participants (mother-child dyads) to investigate the roles of social experience and epigenetic changes in Autism Spectrum Disorder. Social experience will be measured using a phone app designed specifically for the study. The study is called the Autism, Genetics, and Epigenetics Study (AGES).

STUDENT RESEARCH ASSISTANTSHIP TO THE AUTISM STUDY:

Undergraduate or graduate student research technician positions are available for credit, volunteering, or possibly internship (summers). Student research technicians will have the opportunity to assist the lab with maintenance and development of a phone application that will be used to collect data (e.g., surveys, videos) from mothers who are awaiting their child's assessment for autism spectrum disorder. When appropriate, they may also assist with data auditing, video editing/software, website development, etc. We understand that there are barriers to undergraduate research participation; we encourage applicants eligible for funding through IBA or ICRU to apply and reach out with any questions if you would like to join our lab as a student researcher.

QUALIFICATIONS AND CONSIDERATIONS:

We ask our undergraduates to have an interest or enthusiasm for interdisciplinary research, full stack software development/design, programming/coding, child research and outcomes, and/or epigenetics. Candidates should be able to connect how this experience may inform or connect with their professional goals. Undergraduates with expertise in computer science and/or programming are encouraged to apply. Good academic standing and a two-semester commitment preferred. Students interested in pursuing a phone application development, computer science, PhD (clinical- or research-oriented), or is interested in connecting research with public health/policy may see particular benefit.



If you have questions about joining our lab, please contact Nicole Yeager, our Clinical Trials Research Assistant/Data Manager, at nicole-yeager@uiowa.edu.