

MA student Internship on learning mathematics from videos

The GRIP Lab is a research group directed by Pat Herbst and Amanda Brown committed to the study of mathematics teaching, teacher knowledge, teacher decision-making, and teacher education. The group also produces and studies the use of technologies for video annotation and storyboarding. For more information, please visit our website at: <https://www.gripumich.org/>

Duration and Dates: 17 weeks in the Winter Semester, from January - April 2025, with an expected workload between 150 - 200 hours in total and an option to continue involvement after.

Key Responsibilities and Duties: The selected individual will be involved in the design and implementation of survey, focus groups, and interviews with teachers about needs assessment around video-based assignments in mathematics, and in the mathematics content support for a project that seeks to add generative AI support for students who learn mathematics from video-based assignments. The work includes video annotation, participant recruitment and data collection, design of video-based assignments, and analysis of survey and focus group data using quantitative and qualitative methods. The interests and skills of the intern will be taken into consideration as specific tasks are assigned.

Requirements and Qualifications: The candidate must be a graduate student in the Educational Studies Program at the University of Michigan with a background knowledge of secondary mathematics teaching and interest in the design and use of learning technologies. Must have the capacity to work as a member of a team and the ability to self-monitor and be accountable for their work, including the coordination of simultaneous tasks and meeting project timelines. Programming experience is desirable, but not required.

Benefits: We offer opportunities to gain hands-on research experience and enhance professional skills as well as networking opportunities with leading researchers and professionals in the field. We offer the experience to work with a collaborative and multidisciplinary research team. After an initial, unpaid trial period of 2 weeks, successful applicants will be offered hourly pay at a rate of \$20 per hour.

Application Process:

To apply, please submit your resume and/or CV and a statement of personal goals for the internship to grip@umich.edu by November 18, 2024. For more information, contact Dr. Yigit Savuran at yigits@umich.edu

Statement on Diversity:

We respect and value individuals from all races, ethnic backgrounds, ages, genders, religions, sexual orientations, disabilities, economic or veteran status, and other diverse perspectives and individual differences. Further, we are committed to tolerance, sensitivity, understanding, and mutual respect everywhere within our community and we affirm our promise to make the School of Education a welcoming place for all. In seeking new staff members, we are committed to hiring those who share in our reverence and expectation for diversity.