

Research Assistant Positions for Artificial Intelligence Aided Human Skill Acquisition

Lab: Stanford Artificial Intelligence for Human Impact

Program: Stanford University, Department of Computer Science

Supervising Researcher: Dr. Emma Brunskill (Assistant Professor of Computer Science)

Project. Personalized Music Learning with an AI Tutoring System

A critical question is how novice learners can rapidly acquire new procedural skills. In this project we are investigating how an artificial intelligence tutor can provide adaptive, personalized support to help a new learner master a short piano piece (Bach). The project involves testing various hypotheses of how differing features of the system impact learner's speed of learning and engagement with the system. Research assistants will conduct user studies with the system on campus.

Duties & Time Commitment:

The research assistant will help with data collection (running studies with learners), recruiting subjects, cleaning and coding data, data management and potentially also with data analysis. A minimum commitment of 10 hours/week for at least 6 weeks of the quarter is required.

Qualifications and Skills:

Ideal candidates will have a strong interest in the science of learning, be curious about artificial intelligence to aid human potential, and enjoy taking on new challenges. Organizational skills, attention to detail, reliability, motivation and being friendly are also important. No programming experience is required.

Compensation:

Research assistants can be hired for compensation, course credit, or volunteer. One unit will correspond to 3 hours of work per week.

To Apply:

Please send your resume (including class standing), transcript, and brief statement of interest to ebrun@cs.stanford.edu with the subject line "RA AI music tutor".

If you have any questions, please also email ebrun@cs.stanford.edu with the same subject line.

