

UNIVERSITY OF ILLINOIS  
AT URBANA – CHAMPAIGN



**Postdoctoral Research Associate**

**Embodied and Immersive Technologies Lab**

**Department of Curriculum & Instruction  
College of Education  
University of Illinois at Urbana-Champaign**

The Embodied and Immersive Technologies (EmIT) Lab (<http://emit.education.illinois.edu>) at the University of Illinois at Urbana-Champaign seeks a postdoctoral research associate to conduct research and manage efforts related to two NSF awards related to embodied interaction and STEM Learning. Both projects involve the design and development of computer simulations that allow K-16 students to interact in physical ways with science content (e.g., performing gestures that enact a representation of molecular interactions). We are collecting data pertaining to how the use of these simulations impact student explanations as well as formal assessments of their understanding. The postdoctoral research associate will have, or develop, expertise in design-based research, learning simulation design, embodied cognition theory and applications to education, and the ability to coordinate data collecting efforts both in school and laboratory settings. This postdoc will work with Dr. Robb Lindgren and other faculty, graduate, and undergraduate students working on these projects. Mentorship and training opportunities will be provided as needed, and opportunities exist for this person to pursue their own research questions, develop new project proposals, etc.

**Specific Responsibilities:** data analysis (both qualitative and quantitative components), writing papers for conferences and journal articles, participation in design meetings and working with developers to configure study-ready simulations, assist with the management of data collection efforts (e.g., working with school partners, IRB, etc.), mentoring graduate and undergraduate student work.

**Qualifications:** Applicants should have a Ph.D. in learning sciences, educational psychology, cognitive psychology, human computer interaction, computer science, or a STEM discipline with strong interest in how people learn in that discipline. Experience collecting and analyzing data from student interactions with technologies is desired. Likewise, experience designing interactive learning experiences and particularly working with physical interfaces in STEM content areas is a plus. In general, applicants should have strong academic writing and communication skills, the ability to manage high-level aspects of a research project, and should be comfortable working with and experimenting with new technologies.

The preferred start date is August 14<sup>th</sup>, 2017, but an earlier date is negotiable. The appointment is for 1-year with the potential to be renewed for an additional year contingent on performance and availability of funding. Salary is competitive and commensurate with experience and relevant research.

To ensure full consideration, applications must be submitted by **April 24<sup>h</sup>, 2017** and will continue to be reviewed until the position is filled. To apply, please complete a candidate profile at <https://jobs.illinois.edu> and submit a letter of interest, curriculum vitae, contact details for 3 people who can provide a reference, and up to two writing samples. Prospective applicants with questions about the position are encouraged to contact Robb Lindgren (robblind@illinois.edu).

The University of Illinois conducts criminal background checks on all job candidates upon acceptance of a contingent offer.

*Illinois is an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, religion, color, national origin, sex, sexual orientation, gender identity, age, status as a protected veteran, status as a qualified individual with a disability, or criminal conviction history. Illinois welcomes individuals with diverse backgrounds, experiences, and ideas who embrace and value diversity and inclusivity.  
([www.inclusiveillinois.illinois.edu](http://www.inclusiveillinois.illinois.edu))*