



Jennifer S. Kay

Professor
Computer Science

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Education:

BSE (Computer Science and Engineering), University of Pennsylvania
BA (Mathematics), University of Pennsylvania
MS (Computer Science), Carnegie Mellon University
PhD (Computer Science), Carnegie Mellon University

Research Expertise:

Educational Robotics | Computer Science Education | Effective Systems for Learning at Scale (MOOCs) | Artificial Intelligence | Robotics | Human-Computer Interaction | Intelligent Software Agents

My most recent work is in two areas: the development and evaluation of methods to introduce novices to Computer Science & Computational Thinking using Robotics and Effective Systems for Learning at Scale (MOOCs). I have received grants to pursue this work from a wide variety of sources including Google, iRobot, the National Science Foundation, and the Institute for Personal Robots in Education.

Honors and Awards:

Rowan University Academic Advising Wall of Fame 2016
Lindback Award for Distinguished Teaching, Rowan University 2013
Best Paper Award, CCSCE 2009

Member of:

ACM (Senior Member)
IEEE (Senior Member)
UPE CS Honor Society

Recent Publications:

Kay JS, Nolan TJ, Grello TM (2016) The Distributed Esteemed Endorser Review: A Novel Approach to Participant Assessment in MOOCs, in Proceedings of the Third Annual ACM Conference on Learning@Scale, 157-160.

Kay JS, Moss JG, Engelman S, McKlin T (2014) Sneaking In Through The Back Door: Introducing K-12 Teachers to Robot Programming, in Proceedings of the 45th ACM Technical Symposium on Computer Science Education, SIGCSE pp 499-504.

Kay JS, McKlin T (2014) The Challenges of Using a MOOC to Introduce 'Absolute Beginners' to Programming on Specialized Hardware, in Proceedings of the first ACM Conference on Learning @ Scale, pp 211-212.