Conrad Tucker
Brief Bio

Conrad Tucker is an Arthur Hamerschlag Career Development Professor of Mechanical Engineering and holds courtesy faculty appointments in machine learning, robotics, and biomedical engineering, and CyLab security and privacy at Carnegie Mellon University. His research focuses on employing machine learning (ML) and artificial intelligence (AI) techniques to predictively improve the design and output of engineered-systems. Dr. Tucker explores applications of AI in domains including engineering design, healthcare, engineering education, and cybersecurity.

Tucker has served as PI/Co-PI on federally/non-federally funded grants from the National Science Foundation (NSF), the Air Force Office of Scientific Research (AFOSR), the Defense Advanced Research Projects Agency (DARPA), the Army Research Laboratory (ARL), the Office of Naval Research (ONR) via the NSF Center for eDesign, and the Bill and Melinda Gates Foundation (BMGF). In February 2016, he was invited by National Academy of Engineering (NAE) President Dr. Dan Mote, to serve as a member of the Advisory Committee for the NAE Frontiers of Engineering Education (FOEE) Symposium. He received his Ph.D., M.S. (industrial engineering), and MBA degrees from the University of Illinois at Urbana-Champaign, and his B.S. in mechanical engineering from Rose-Hulman Institute of Technology.