

## Andrew Allman – University of Michigan – Department of Chemical Engineering



Andrew Allman is an Assistant Professor of Chemical Engineering at the University of Michigan, where he leads research at the intersection of process systems engineering, optimization, machine learning, and sustainable manufacturing. He earned his B.S. in Chemical Engineering from Pennsylvania State University and his Ph.D. from the University of Minnesota under the supervision of Prodromos Daoutidis, followed by postdoctoral research with Qi Zhang before joining the Michigan faculty in 2020. His research focuses on developing computational methods for large-scale decision making, including decomposition algorithms, many-objective optimization, model predictive control, modular chemical manufacturing, renewable energy systems, and machine learning-enabled process optimization. His contributions have been recognized with an NSF CAREER Award, an ACS Petroleum Research Fund Doctoral New Investigator Award, and invitations to AIChE Journal Futures and *Digital Chemical Engineering* Emerging Stars issues. In addition to his research, he teaches undergraduate and graduate courses in process control, optimization, mathematical analysis, and process economics, and is active in mentoring students and serving the process systems engineering community through AIChE, NSF proposal review, and conference leadership.