Abstract:
Artists, Coders, and other creative professionals are never on the cutting edge of research. However, their use cases are often the most memorable and effective tools for communicating what mathematics, and applied mathematics especially, is capable of. When Google shows off its neural networks, it makes your selfies look like Van Gogh drew them. When IBM wants to prove its advancements in NLP, it plays Jeopardy. This talk aims to present a handful of examples of computational art - and to explore both its technical background and its impact. We will discuss the ways in which mathematics impacts these projects, and the ways in which the art communicates mathematics.