

The Role played by each of **Three Overarching Themes** in

Patents and Trademarks arising from the CantoVario Projects (harnessing chaotic system variability and signal processing for musical variation)

Lifelong Learning

A 2014 Supreme Court decision (*Alice v. Bank*) muddled the waters for a number of 'algorithmic' patent applications, including mine. Collaborating with a patent agent, I researched and helped draft two Office Action responses (December 2014 and October 2015), the last of which was successful.

Intrinsic Motivation

The patents captured the technical aspects of my work with creating musical variation. Writing them not only gave inner satisfaction but also satisfied my mentors at the MIT VMS (Venture Mentoring Service).

The Creative Process

Exposure to different modes of doing, thinking, connecting, and expressing through engagement with:

Stimulation/impetus

Cross pollination: Writing certain parts of these patents influenced other parts, as well as engendered additional algorithms for musical variation.

Preparation/Scaffolding

Producing all my figures and then writing the text that explained those figures

Application

CantoVario web and mobile applications arising from the patents

Feedback

Discussions with an MIT VMS IP lawyer, as well as the patent agent handling my application

Revision

Numerous iterations due to the large number of figures and their concomitant textual explanations

Effective Communication

Condensing the large provisional application (217 pages) into a more manageable utility application (~60 pages) so that both taken together covered the scope and detail of the invention and its many related parts