I work full time and have been working on my Masters part time. Covid-19 has caused major changes in my company that have increased my responsibilities and time commitment, further reducing available time to work on my thesis. Despite this, I have been able to meet with my supervisor regularly and made significant process over the summer. I believe that can complete the work based on the proposed schedule.

Current state of work:

My thesis research goal is to take advantage of recent advances in geometry flattening technology (Boundary First Flattening) for creating an etching stylization effect.

I have the majority of the desired functionality developed and working, about 85%. The project can do the following: Segment an image, apply Boundary First Flattening, produce contour lines based on Barycentric transformations, and then merge the contour lines back together.

I still have some remaining development to fully implement all the functionality, including: Controlling the angles of the contour lines, merging bordering regions, and tweaking parameters to produce desired etching effects.

I have an outline of the thesis and have started writing.

Proposed schedule going forward:

Sept 30, 2020 - Complete coding and analysis of results.

Oct 31, 2020 - Complete first draft of Thesis

Nov 30, 2020 - Complete final draft of Thesis

Dec 10, 2020 - Submit Final Thesis to committee

Defend and complete changes before the January 2021 deadline.