

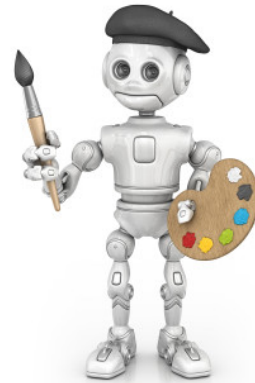


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Personalized Automated Image Editing

Image editing is a tedious and time consuming task. Especially if one wants to add a personal artistic touch to the way images are edited, skills and dedication are required. But what if an algorithm could learn from preferences over suggestions which editing suits a given artist and automate the process?

In this thesis we look at the possibilities of new deep learning algorithms to adapt to user preferences and automate the process of image editing. We try to answer the questions of whether an algorithm can learn sensible edits solely from user preferences and whether the algorithm can specialize to artistic styles.



Requirements: Knowledge in Deep Learning, or solid background in Machine Learning with implementation experience. You should be able to read and understand the first 12 chapters of the "Deep Learning Book" by Goodfellow et al. (available for free online from MIT press). If you are interested in the topic but new to deep learning we expect you to complete an introductory deep learning course before applying for the thesis, such as Andrew Ng's coursera course (use the free trial!)¹ or this Udacity course².

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¹<https://www.coursera.org/specializations/deep-learning>

²<https://classroom.udacity.com/courses/ud730>