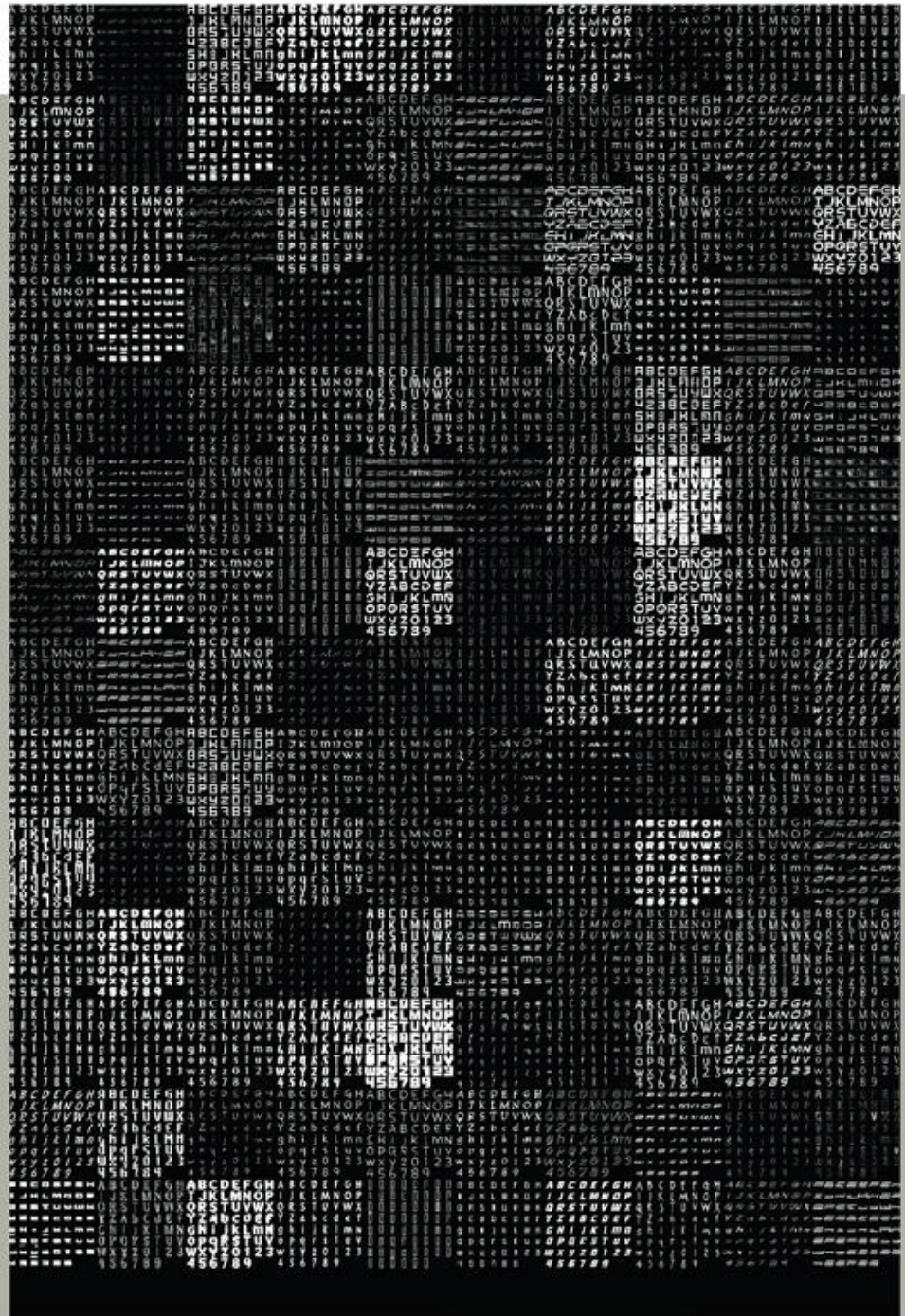


# ORIGINAL FONT GENERATION USING CONDITIONAL WASSERSTEIN GAN WITH GRADIENT PENALTY

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Generation of fake data that models real data is one of the many focuses of the machine learning community. Since neural networks require large amounts of data to train well, we would theoretically have a way to infinitely train such models. We developed a program that can create original fonts by teaching it what real fonts look like. We created a class conditional Wasserstein Generative Adversarial Network, constrained to 1-Lipschitz discriminator functions, to teach our program. After our program "studies" real fonts for over 60 hours, it is able to generate realistic fonts of its own. We even trained our program to generate whatever type of letter or number we'd like.



**WORK SPACE** **SHOWCASE**

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