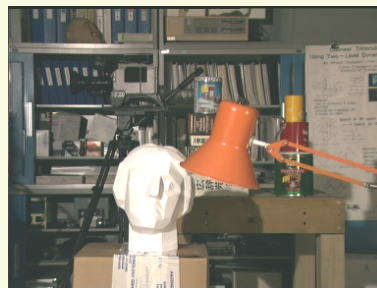


Olga Veksler: Research Interests

- **Computer Vision** - extract anything useful from images, image sequences, video,... etc.
 - Stereo Correspondence



left image



right image

stereo
→

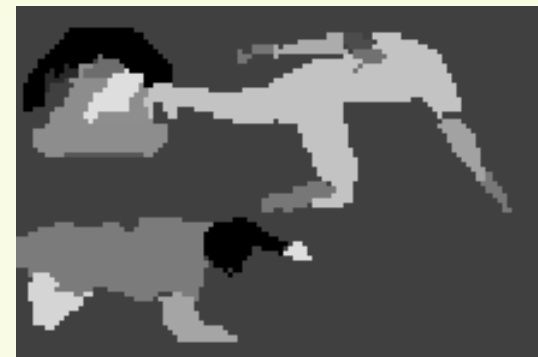


depth

- Image segmentation



→



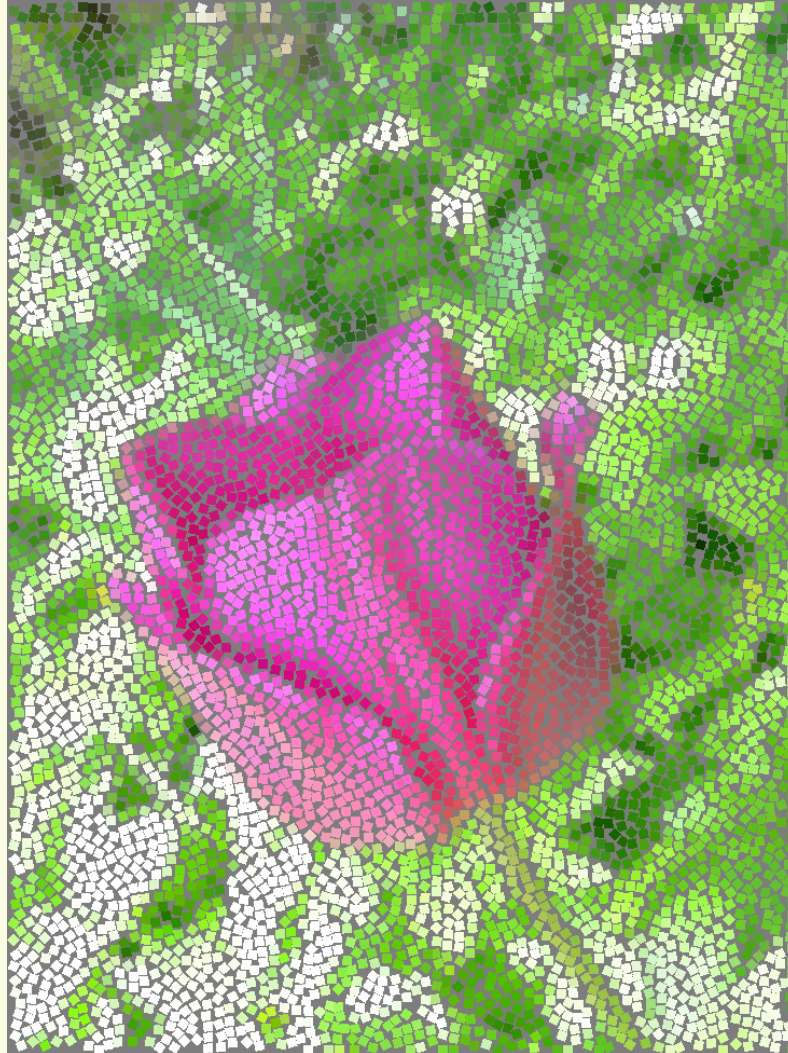
Olga Veksler: Research Interests

- Computer Graphics
 - Digital Art



Olga Veksler: Research Interests

- Computer Graphics
 - Digital Art



Fall: Learning and Computer Vision 9840a

- Machine Learning techniques that has been useful for Computer vision applications
 - Methods: Linear Classifiers, Neural Networks, SVM, boosting
 - Applications: mostly object recognition, some tracking, segmentation, image inpainting
- No textbook, we will read conference/journal papers
- Occasionally we will use videos
 - *may provide popcorn* 😊
- One project, one paper presentation, in-class project presentation
- Take a look at the last year's course (link from my web page)

Winter: 9542b/442b Artificial Intelligence II

- Topics from
 - Machine Learning (1/3)
 - Natural Language Processing (1/3)
 - Computer Vision (1/3)
- Evaluation
 - 3 quizzes (each 1 hour long), will count 2/3 towards the final grade
 - 3 homework assignments