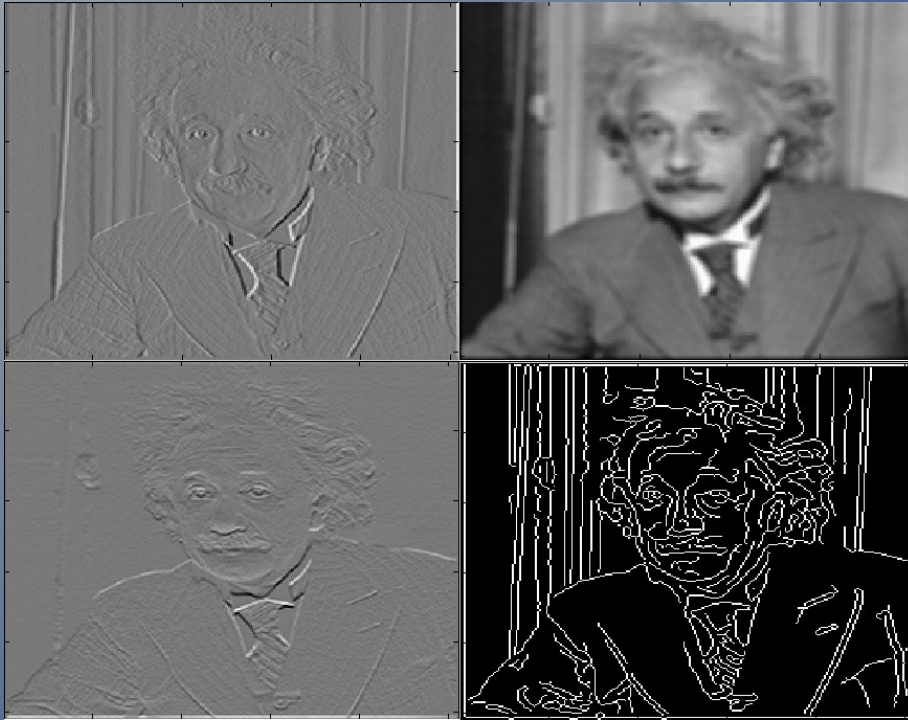- I'm Kevin Kyyro; I was born and raised in Boynton Beach, FL.

- Graduated from Santa Fe College last semester with a 3.9 GPA; starting at UF in the fall. (Fun fact: I was accepted into UCF when I applied from high school!)

- Interesting fact: I won 1st place in the Santa Fe College "Global Culture" exhibit for this picture I took in Finland last summer.

Problem Set 1:

- Introduced to MATLAB

- Created Gaussian and first derivative Gaussian filters

- Used built in edge detector:

  – Sobel, Roberts, Canny, etc.

```
kernel = [-1 1];
res = conv2(einstein, kernel, 'valid');
imagesc(res)

kernel = [-1; 1];
res = conv2(einstein, kernel, 'valid');
figure, colormap(gray(256)), imagesc(res)
```
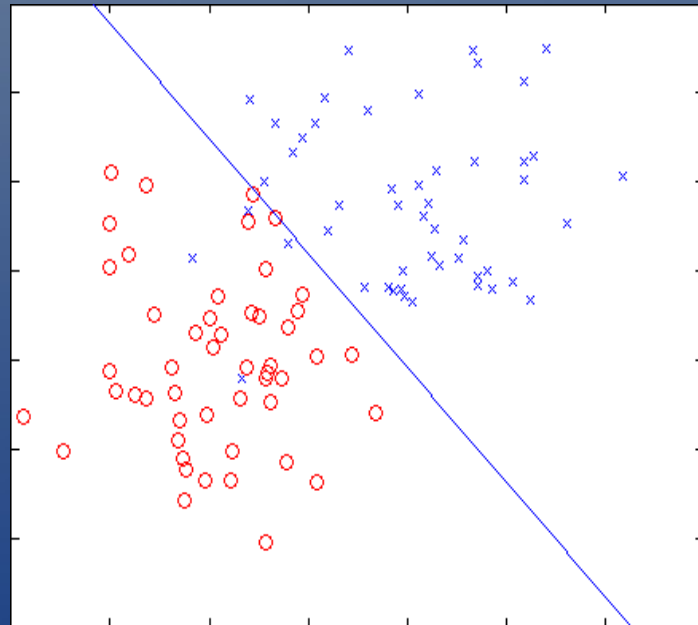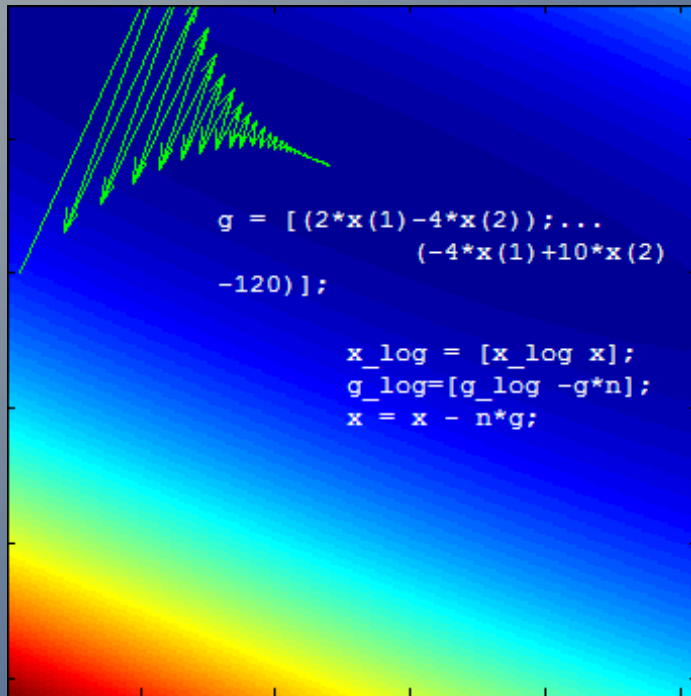
Problem Set 2

- Linear classification

  - machine learning, training, probability, etc.

- Steepest descent optimization → minimize loss

- Use gradient of the loss to optimize the line parameters

Problem Set 3

- In progress

- More classification

- Build an edge detector that uses learning to train

- Creates and analyzes feature vectors where the features are the change in pixel values in different directions across patches of an image.