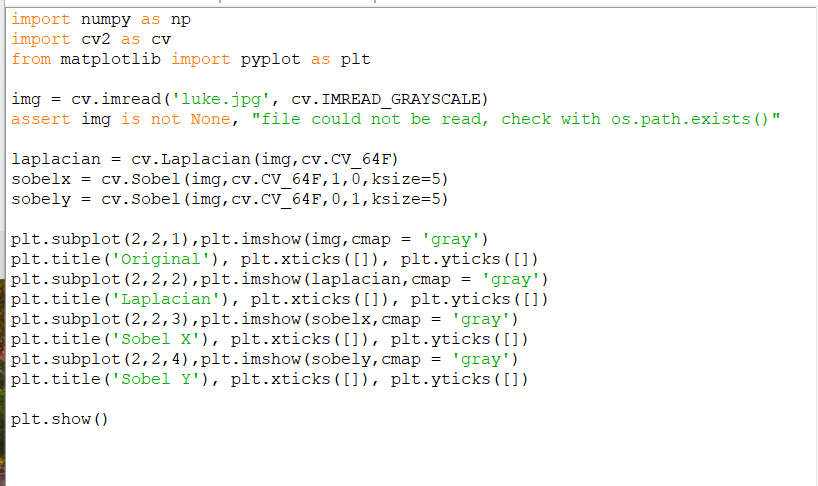
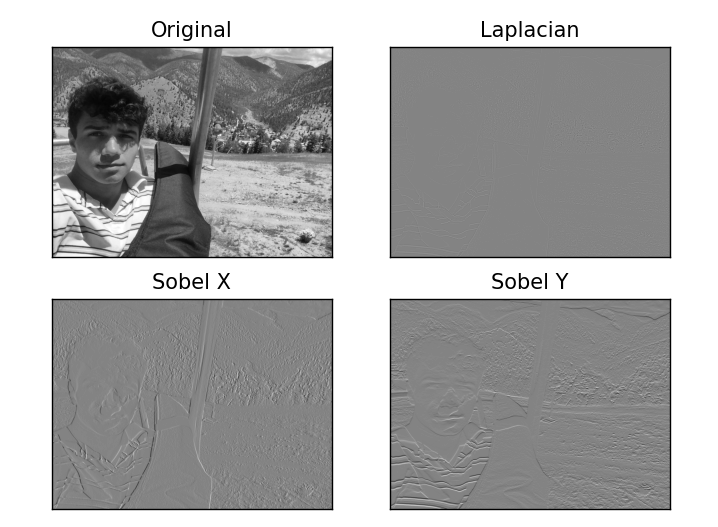
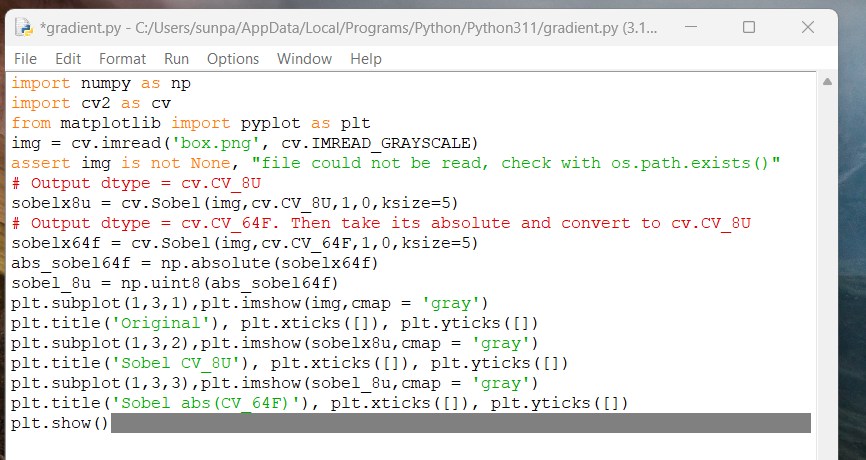
GRadient detector

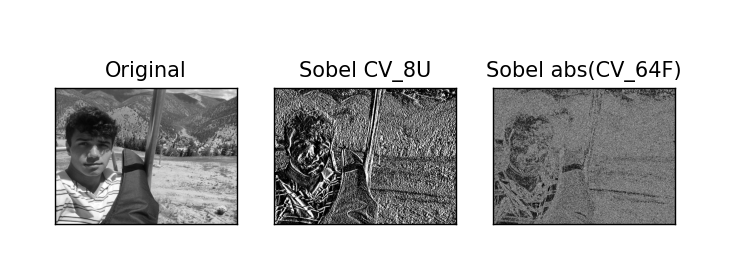
Sobel and Scharr algorithms use gaussian smoothing then a differentiation algorithm







Accounting for loss of negative values in change in data type



results