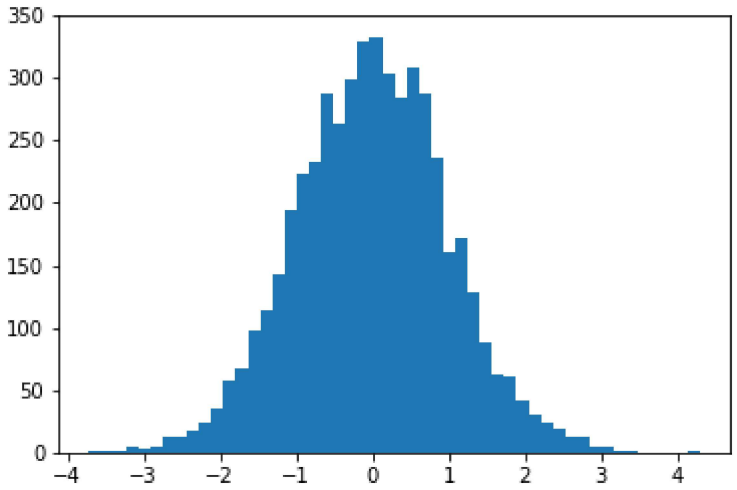
In [1]:
```
%pylab inline
x = np.random.randn(5000)
plt.hist(x, 50)
```

```
Populating the interactive namespace from numpy and matplotlib
```

Out[1]:
```
(array([   1.,    2.,    2.,    4.,    3.,    4.,   13.,   12.,   17.,
          23.,   35.,   57.,   68.,   97.,  114.,  142.,  195.,  223.,
         233.,  287.,  264.,  299.,  330.,  333.,  303.,  285.,  308.,
         287.,  236.,  160.,  172.,  128.,   88.,   62.,   60.,   42.,
          30.,   24.,   19.,   13.,   12.,    4.,    4.,    2.,    2.,
           0.,    0.,    0.,    0.,    1.]),
 array([-3.71750357, -3.55722658, -3.39694958, -3.23667258, -3.07639559,
        -2.91611859, -2.7558416 , -2.5955646 , -2.43528761, -2.27501061,
        -2.11473361, -1.95445662, -1.79417962, -1.63390263, -1.47362563,
        -1.31334863, -1.15307164, -0.99279464, -0.83251765, -0.67224065,
        -0.51196366, -0.35168666, -0.19140966, -0.03113267,  0.12914433,
         0.28942132,  0.44969832,  0.60997532,  0.77025231,  0.93052931,
         1.0908063 ,  1.2510833 ,  1.41136029,  1.57163729,  1.73191429,
         1.89219128,  2.05246828,  2.21274527,  2.37302227,  2.53329927,
         2.69357626,  2.85385326,  3.01413025,  3.17440725,  3.33468424,
         3.49496124,  3.65523824,  3.81551523,  3.97579223,  4.13606922,
         4.29634622]),
 <a list of 50 Patch objects>)
```



In [ ]: