

fig. 2 – Design of the interface to the ImageHistogram class

```
public class ImageHistogram {  
    private Histogram[] arrHist;  
  
    final static int DIVISIONS = 2;  
    final static int RESOLUTION = 256;  
    final static int BUCKETS = 8;  
  
    public ImageHistogram loadFromFile(String fileName);  
    public ImageHistogram loadFromContent(String content);  
  
    public Histogram getHistogram(int count);  
    public String getContent();  
} // ImageHistogram  
  
public class Histogram {  
    private int[][][] histData;  
    private int size;  
  
    public Histogram(); // called from loadFromContent  
    public Histogram(String fileName); // called from loadFromFile  
  
    // + various statistic, utility and comparison routines  
} // Histogram
```