ⓧ

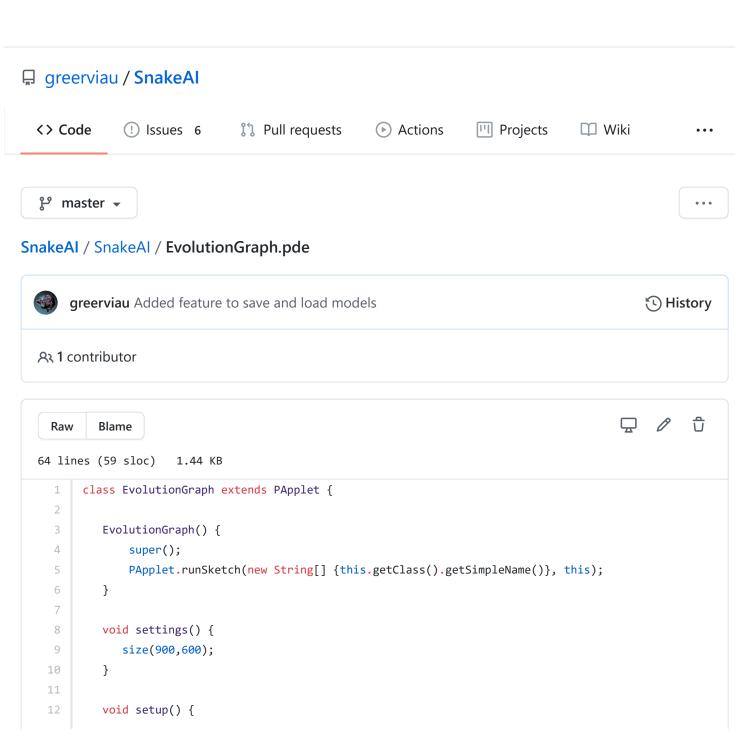# Learn Git and GitHub without any code!

Using the Hello World guide, you'll start a branch, write comments, and open a pull request.

Read the guide

🖳 greerviau / **SnakeAI**

| <> **Code** | ⚠ Issues 6 | ⑂ Pull requests | ▷ Actions | 🗏 Projects | 📖 Wiki | ··· |

⑂ **master** ▾   ···

SnakeAI / SnakeAI / **EvolutionGraph.pde**

| 🖼 **greerviau** Added feature to save and load models | ⟲ History |

👥 **1 contributor**

| Raw | Blame | 🖵 ✎ 🗑

64 lines (59 sloc)   1.44 KB

```
1    class EvolutionGraph extends PApplet {
2
3      EvolutionGraph() {
4        super();
5        PApplet.runSketch(new String[] {this.getClass().getSimpleName()}, this);
6      }
7
8      void settings() {
9        size(900,600);
10     }
11
12     void setup() {
```

```
13            background(150);
14            frameRate(30);
15        }
16
17      void draw() {
18          background(150);
19          fill(0);
20          strokeWeight(1);
21          textSize(15);
22          textAlign(CENTER,CENTER);
23          text("Generation", width/2,height-10);
24          translate(10,height/2);
25          rotate(PI/2);
26          text("Score", 0,0);
27          rotate(-PI/2);
28          translate(-10,-height/2);
29          textSize(10);
30          float x = 50;
31          float y = height-35;
32          float xbuff = (width-50) / 51.0;
33          float ybuff = (height-50) / 200.0;
34          for(int i=0; i<=50; i++) {
35              text(i,x,y);
36              x+=xbuff;
37          }
38          x = 35;
39          y = height-50;
40          float ydif = ybuff * 10.0;
41          for(int i=0; i<200; i+=10) {
42              text(i,x,y);
43              line(50,y,width,y);
44              y-=ydif;
45          }
46          strokeWeight(2);
47          stroke(255,0,0);
48          int score = 0;
49          for(int i=0; i<evolution.size(); i++) {
50              int newscore = evolution.get(i);
51              line(50+(i*xbuff),height-50-(score*ybuff),50+((i+1)*xbuff),height-50-(newscore*ybuff));
52              score = newscore;
53          }
54          stroke(0);
55          strokeWeight(5);
56          line(50,0,50,height-50);
57          line(50,height-50,width,height-50);
58        }
59
60      void exit() {
```

```
61            dispose();
62            graph = null;
63        }
64    }
```