
BATALOG

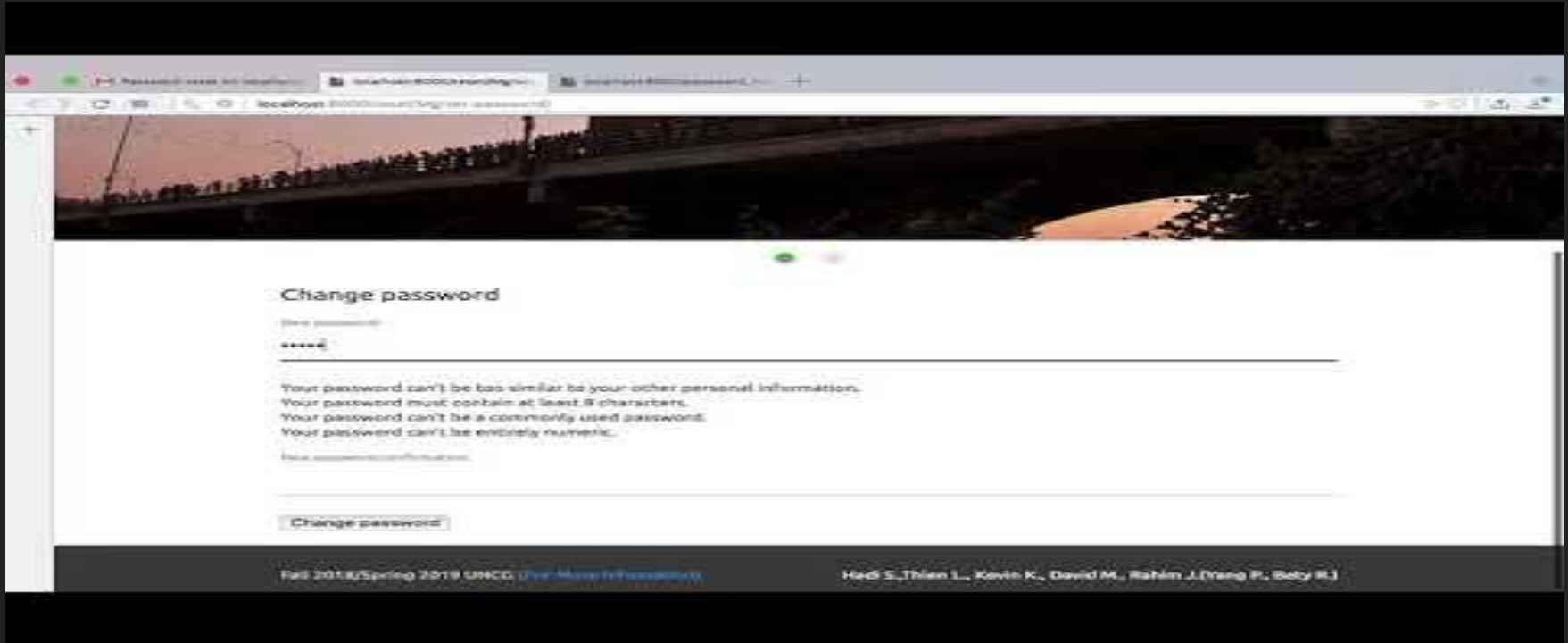
Progress Report #2.4

Group Members:

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Forget Password reset demo



File Analysis

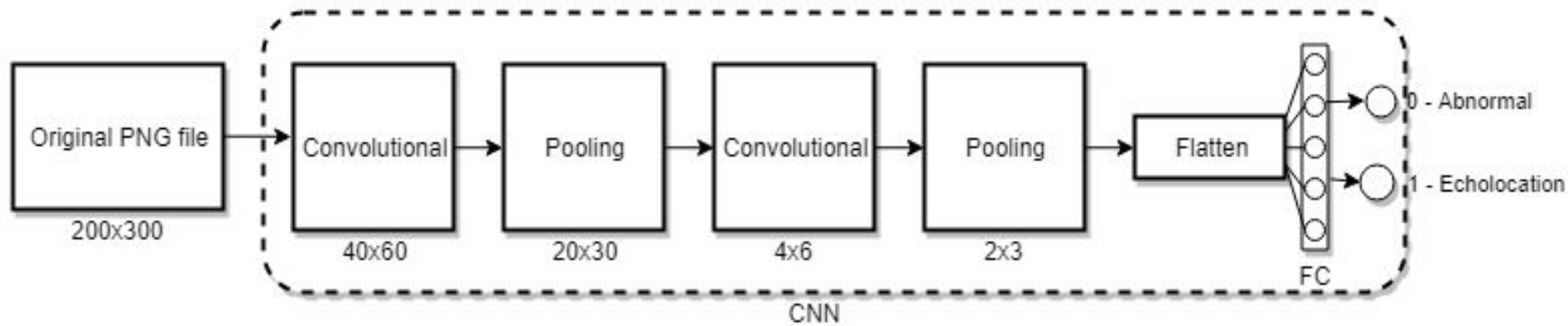
The screenshot displays a web application interface with a dark theme. On the left, a sidebar shows a file explorer with the following structure:

- pulses
 - abnormal
 - echolocation
 - S7152113_0.png
 - S7152113_1.png
 - S7152113_2.png
 - S7152113_3.png
 - S7152113_4.png
 - S7152113_5.png
 - S7152113_6.png
 - S7152113_7.png
- test_images
 - 2018_night.txt
 - S7152113_44#
 - S7252158_04#
 - S7262152_48#
 - S8072169_22#
- static
 - _DS_Store
 - db.sqlite3

The main content area on the right shows a code editor with HTML code. The code includes a loop for displaying images and a container for albums. The code is as follows:

```
26         </li>
27     </ul>
28 </div>
29
30 <div style="text-align: center;">
31     <h2> Here are your photos
32     {% for pic in on
33         
34     {% endfor %}
35 </div>
36
37 <div class="container">
38     <div class="row">
39         {% for album
40             <div class="col-md-4">
41             <div class="card">
42                 
43                 <div class="card-body">
44                     <h3> {{ album.filename }}
45                 </div>
46             </div>
47         {% endfor %}
48     </div>
49 </div>
```

At the bottom of the code editor, the file path `018d8452e2_PyFunction_Fas` and the file type `218 python` are visible.



- Convolutional Layer formula:
$$\text{Output} = (\text{Dimension size} - \text{Filter size} + 2(\text{Padding size}) / \text{Stride}) + 1$$

Pooling Layer formula:
$$\text{Output} = ((\text{Dimension size} - \text{Filter size}) / \text{Stride}) + 1$$
- Uploaded files to UNCG server to test bigger CNN's like InceptionV3 and others created
- Best accuracy is with the 200x300 model of 75% for abnormal files and 99% for echolocation files calculated from the test/validation files

CNN

Database API

- Fetching and processing uploaded ZC file
- PNG images of pulses converted to binary
- Classification tag for additional search params

	name	raw	classification
0	P7172114_0.png	b'\x89PNG\r\n\x1a\n\x00\x00\x00\rIHDR\x00\x00\...	echolocation
1	P7172114_1.png	b'\x89PNG\r\n\x1a\n\x00\x00\x00\x00\rIHDR\x00\x00\...	echolocation
2	P7172114_10.png	b'\x89PNG\r\n\x1a\n\x00\x00\x00\x00\rIHDR\x00\x00\...	echolocation
3	P7172114_11.png	b'\x89PNG\r\n\x1a\n\x00\x00\x00\x00\rIHDR\x00\x00\...	echolocation
4	P7172114_12.png	b'\x89PNG\r\n\x1a\n\x00\x00\x00\x00\rIHDR\x00\x00\...	echolocation
5	P7172114_13.png	b'\x89PNG\r\n\x1a\n\x00\x00\x00\x00\rIHDR\x00\x00\...	echolocation
6	P7172114_14.png	b'\x89PNG\r\n\x1a\n\x00\x00\x00\x00\rIHDR\x00\x00\...	echolocation
7	P7172114_15.png	b'\x89PNG\r\n\x1a\n\x00\x00\x00\x00\rIHDR\x00\x00\...	echolocation
8	P7172114_16.png	b'\x89PNG\r\n\x1a\n\x00\x00\x00\x00\rIHDR\x00\x00\...	echolocation
9	P7172114_17.png	b'\x89PNG\r\n\x1a\n\x00\x00\x00\x00\rIHDR\x00\x00\...	echolocation
10	P7172114_18.png	b'\x89PNG\r\n\x1a\n\x00\x00\x00\x00\rIHDR\x00\x00\...	echolocation
11	P7172114_19.png	b'\x89PNG\r\n\x1a\n\x00\x00\x00\x00\rIHDR\x00\x00\...	echolocation
12	P7172114_2.png	b'\x89PNG\r\n\x1a\n\x00\x00\x00\x00\rIHDR\x00\x00\...	echolocation
13	P7172114_20.png	b'\x89PNG\r\n\x1a\n\x00\x00\x00\x00\rIHDR\x00\x00\...	echolocation
14	P7172114_21.png	b'\x89PNG\r\n\x1a\n\x00\x00\x00\x00\rIHDR\x00\x00\...	echolocation
15	P7172114_22.png	b'\x89PNG\r\n\x1a\n\x00\x00\x00\x00\rIHDR\x00\x00\...	echolocation
16	P7172114_3.png	b'\x89PNG\r\n\x1a\n\x00\x00\x00\x00\rIHDR\x00\x00\...	echolocation
17	P7172114_4.png	b'\x89PNG\r\n\x1a\n\x00\x00\x00\x00\rIHDR\x00\x00\...	echolocation
18	P7172114_5.png	b'\x89PNG\r\n\x1a\n\x00\x00\x00\x00\rIHDR\x00\x00\...	echolocation
19	P7172114_6.png	b'\x89PNG\r\n\x1a\n\x00\x00\x00\x00\rIHDR\x00\x00\...	echolocation
20	P7172114_7.png	b'\x89PNG\r\n\x1a\n\x00\x00\x00\x00\rIHDR\x00\x00\...	echolocation
21	P7172114_8.png	b'\x89PNG\r\n\x1a\n\x00\x00\x00\x00\rIHDR\x00\x00\...	echolocation
22	P7172114_9.png	b'\x89PNG\r\n\x1a\n\x00\x00\x00\x00\rIHDR\x00\x00\...	echolocation

Database Structure | Browse Data | Edit Pragmas | Execute SQL | Edit Database Cell

Database Structure | Browse Data | Edit Pragmas | Execute SQL | Edit Database Cell

Table: images | Filter | Filter | Filter

	name	raw	classification
1	P7172114_0....	BLOB	echolocation
2	P7172114_1....	BLOB	echolocation
3	P7172114_10....	BLOB	echolocation
4	P7172114_11....	BLOB	echolocation
5	P7172114_12....	BLOB	echolocation
6	P7172114_13....	BLOB	echolocation
7	P7172114_14....	BLOB	echolocation
8	P7172114_15....	BLOB	echolocation
9	P7172114_16....	BLOB	echolocation
10	P7172114_17....	BLOB	echolocation
11	P7172114_18....	BLOB	echolocation
12	P7172114_19....	BLOB	echolocation
13	P7172114_2....	BLOB	echolocation
14	P7172114_20....	BLOB	echolocation
15	P7172114_21....	BLOB	echolocation
16	P7172114_22....	BLOB	echolocation
17	P7172114_3....	BLOB	echolocation
18	P7172114_4....	BLOB	echolocation
19	P7172114_5....	BLOB	echolocation
20	P7172114_6....	BLOB	echolocation
21	P7172114_7....	BLOB	echolocation
22	P7172114_8....	BLOB	echolocation
23	P7172114_9....	BLOB	echolocation

Mode: Image | Import | Export | Set as NULL

Type of data currently in cell: PNG Image
320x240 pixel(s), 3.02 KiB

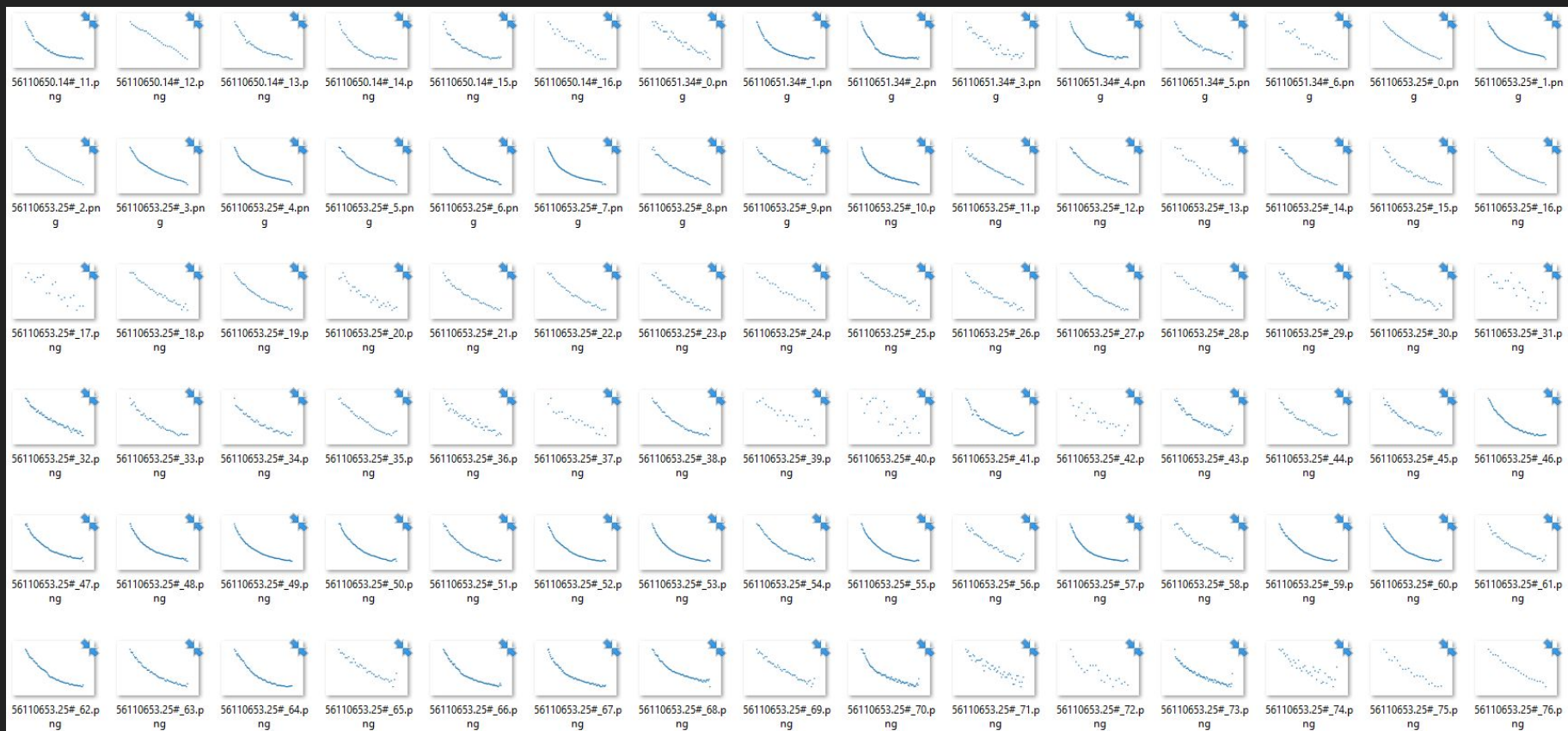
Remote

Name	Commit	Last modified	Size
------	--------	---------------	------

SQL Log | Plot | DB Schema | Remote

UTF-8

Tuning noise removal



Scrum Sprint 8

Sprint 8

Start Mar 15, 2019 [Change](#) Due by Mar 21, 2019 - Due today [Change](#)

Labels ▾

Hide Pull Requests

Burn Pipelines ▾

Burndown report

Weekends

Ideal

Completed



175 Total Story Points

175 Completed / 0 Remaining

14 Total Issues and Pull Requests

14 Completed / 0 Remaining

Completed Issues and Pull Requests

Story points

Install DBBrowser for SQLite	Bat_Echolocation_2019 #54 III Closed ⬆ Sprint 8	5
Experiment with DB Browser Epics	Bat_Echolocation_2019 #55 III Closed ⬆ Sprint 8	20
Create a table for images	Bat_Echolocation_2019 #56 III Closed ⬆ Sprint 8	5
Create a table for user registration info	Bat_Echolocation_2019 #57 III Closed ⬆ Sprint 8	5
Sort out issues with running Django website via PowerShell help wanted	Bat_Echolocation_2019 #58 III Closed ⬆ Sprint 8	15
Connect DB API to Django's SQLite3 DB	Bat_Echolocation_2019 #59 III Closed ⬆ Sprint 8	20
Group Meeting 2019-03-19	Bat_Echolocation_2019 #60 III Closed ⬆ Sprint 8	10
Create tables in SQLite3 database	Bat_Echolocation_2019 #61 III Closed ⬆ Sprint 8	10
Add images to Image table (SQLite3 DB)	Bat_Echolocation_2019 #62 III Closed ⬆ Sprint 8	10
Set Up Basic Operations (DB API)	Bat_Echolocation_2019 #63 III Closed ⬆ Sprint 8	15
Set up image data fetching	Bat_Echolocation_2019 #65 III Closed ⬆ Sprint 8	15
Clean up DB API code and push to repo	Bat_Echolocation_2019 #66 III Closed ⬆ Sprint 8	10
Have DB API pass image data back to GUI	Bat_Echolocation_2019 #67 III Closed ⬆ Sprint 8	15
Create Progress Report 2.4 presentation slides help wanted	Bat_Echolocation_2019 #68 III Closed ⬆ Sprint 8	20

Thank you!



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