



FONT

BAKERY

github.com/googlefonts/fontbakery

NOT AN OFFICIAL GOOGLE PRODUCT

Why?

Update 1,000s of fonts – no regressions

Quantify quality

Publish new fonts faster

Encourage direct community contribution

Discuss issues with maintainers

Familiar Git push/pull interactions

Continuous Integration

Keep font source in Git

Push your own updates

Merge other people's pull requests

Automatic build and test, every time

Get email when you broke it

How?

Python

Flask web application

Celery (redis) queuing

XML Font Sources

Drawing Sources

UFO

unifiedfontobject.org

Binary Sources

TTX

[github.com/behdad
/fonttools](https://github.com/behdadfonttools)

Test Sources and Binaries

robofab.org

fontforge.github.io

github.com/behdad/fonttools

github.com/davelab6/pyfontaine

```
170 def test_nbsp(self):
171     """Check if 'NO-BREAK SPACE' exist in font glyphs"""
172     self.assertTrue(ord(unicodedata.lookup('NO-BREAK SPACE')) in self.font)
173
174 def test_space(self):
175     """Check if 'SPACE' exist in font glyphs"""
176     self.assertTrue(ord(unicodedata.lookup('SPACE')) in self.font)
177
178 @tags('required',)
179 def test_nbsp_and_space_glyphs_width(self):
180     """ Nbsp and space glyphs should have the same width"""
181     space = 0
182     nbsp = 0
183     for x in self.font.glyphs():
184         if x.unicode == 160:
185             nbsp = x.width
186         elif x.unicode == 32:
187             space = x.width
188     self.assertEqual(space, nbsp)
```


Tests for result files

localhost:5000/project/1/build/43/tests

Font Bakery

bakery-testfont-merriweather / Tests for result files

Build History Results Files Results Tests Build Log METADATA.json DESCRIPTION.en_us.html

● means the test didn't work: fix the test ● means the test failed: fix the font ● means the test passed: fix yourself some cake

Merritest-Light.ttf

Result Test

- Test check does fonts items fields "name", "postScriptName", "fullName", "filename" contains font name
assertIn() takes at least 3 arguments (2 given)
FontForge: test_metadata_fonts_fields_have_fontname in checker/result_suite/fontforge_suite/metadata_test.py
- test_charMaker() (add docstring)
'FontaineTest' object has no attribute 'test_charset_African'
pyfontaine: test_charMaker in checker/result_suite/pyfontaine_suite/pyfontaine_tests.py
- Is the OS/2 table fsType set to 0?
8 != 1
FontForge: test_is_fsType_not_set in checker/result_suite/fontforge_suite/fftest.py
- Nbsp and space glyphs should have the same width
523 != 509
FontForge: test_nbsp_and_space_glyphs_width in checker/result_suite/fontforge_suite/fftest.py
- Font em should be equal 1000
2048 != 1000 : Font em value is 2048, required 1000
FontForge: test_em_is_1000 in checker/result_suite/fontforge_suite/metadata_test.py
- Menu file should be [font.familyname]-[font.weight].menu
u'/Users/xen/Dev/font/bakery/data/xen/1.out/43.9a2166c/Merritest-Light.menu' != 'Merritest-Light.menu'
FontForge: test_menu_file_is_canonical in checker/result_suite/fontforge_suite/metadata_test.py
- Test does .menu file have chars needed for METADATA family key
False is not true
FontForge: test_menu_have_chars in checker/result_suite/fontforge_suite/metadata_test.py
- METADATA.json fonts filename property should be [font.familyname]-[font.style].tff format.

Repository

Build History

Setup

Clone string:
git@github.cor

Pull updates

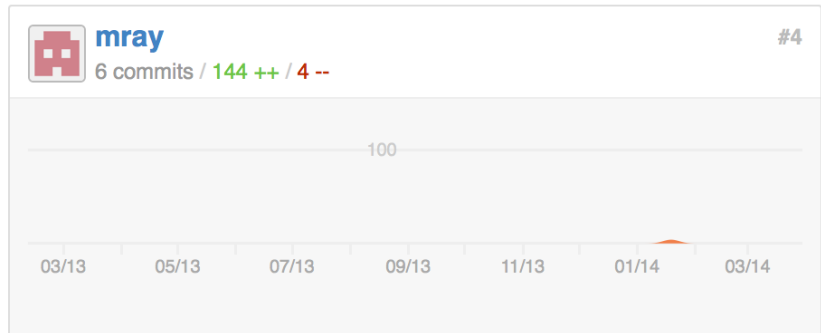
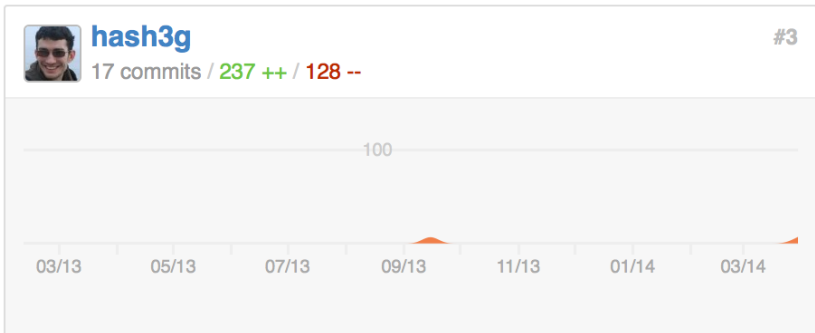
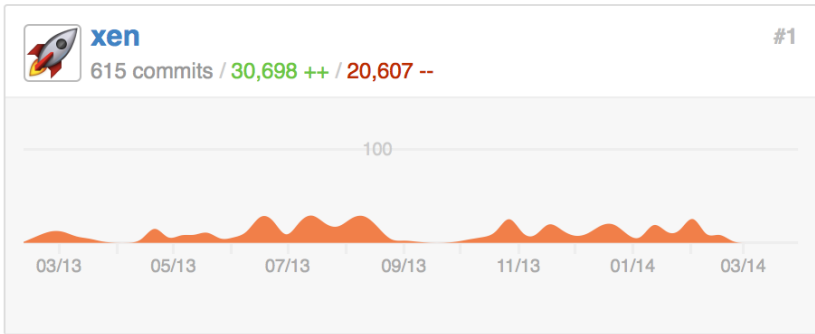
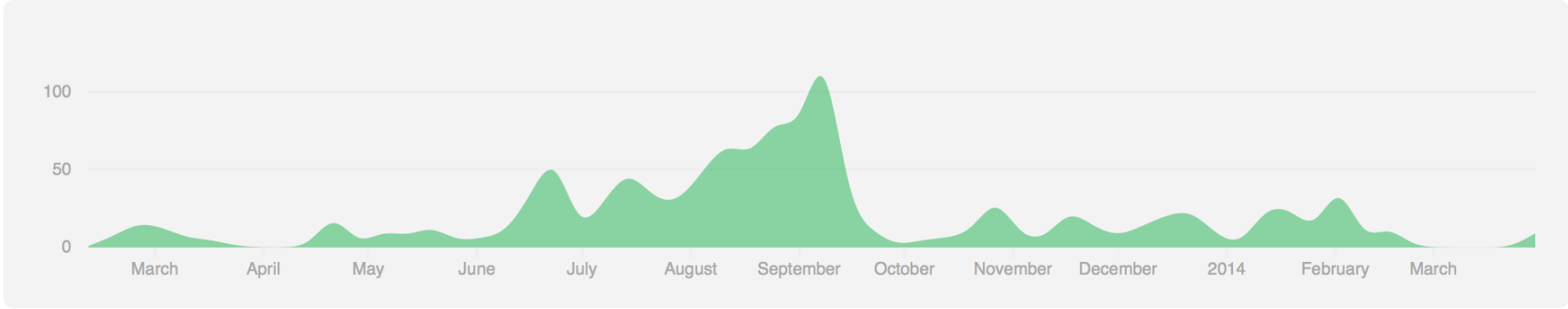
Delete project

Roadmap

Only store Masters,
generate Instances
with Metapolator

Test typefaces,
not just fonts

Compile with Adobe
Font Development
Kit, when libre (soon)



Михайло Кашин

Віталій Волхов

Frank Trampe

Robert Martinez

@GoogleFonts

Thanks!