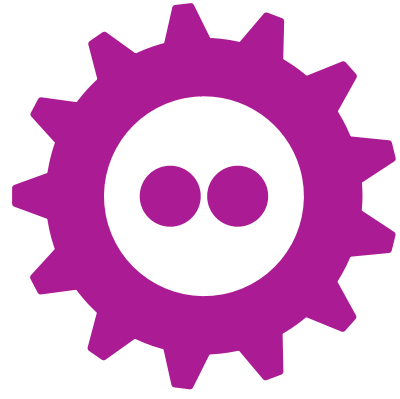
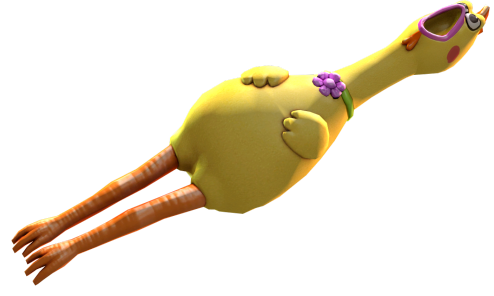


FOXDOT

AND THE SUMMER OF

2019



LIGNTNING TALKS

- 5 minutes
- no CFP
- no Q&A

Russell Keith-Magee
@freakboy3742

Anybody who ever says Australians are weird: Cthulhu is currently on stage at @pythonbrasil

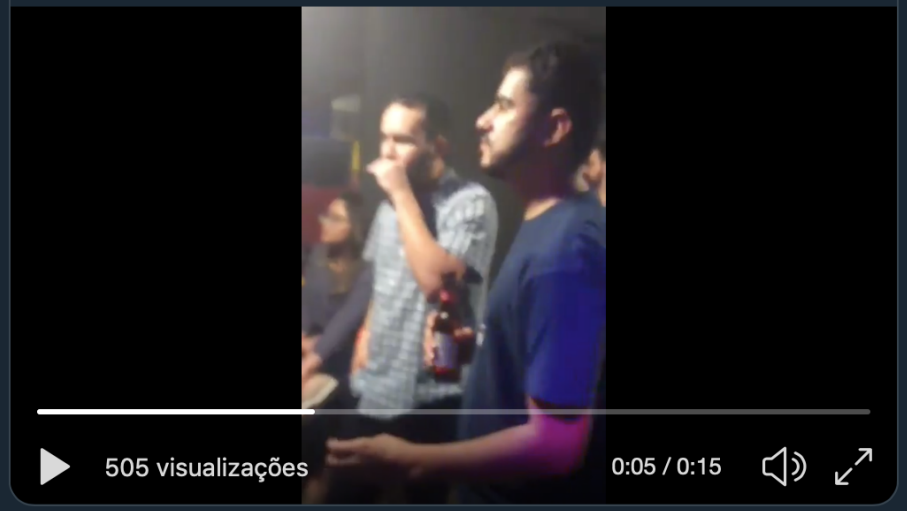
Traduzir Tweet

6:31 PM · 16 de out de 2016 de Ilha Florianópolis, Florianópolis · Tweetbot for iOS

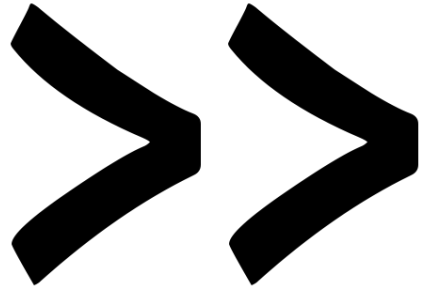
Você retweetou

Mário Sérgio @sergiomarioq · 10 de out de 2017

Stand by me <3

> **Python Brasil** @pythonbrasil · 10 de out de 2017
>
> O que dizer da comunidade python? Só amor ❤️ #pybr13 #uaipython
>
> 
>

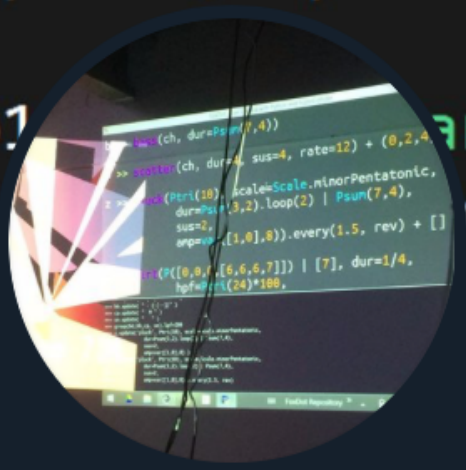
1 3



what is FoxDot?

```
d1 >> play(P["X{-[--][-x]}O{-[--]O}"].stutter(3), sa
mple=2, lpf=var([0,400],[28,4]))

b1                ar([0,1,5,3],8), dur=PDur(3,8)*2, sus=2,
s                 op=4) + [0,7]
```



Seguindo

FoxDot

@FoxDotCode

Official twitter account for FoxDot; the Python based language for live coding

Traduzir bio

foxdot.org Ingressou em junho de 2017

123 seguindo **622** seguidores

Seguido por Ryan Kirkbride e Algorave

Seguindo

Ryan Kirkbride

@ryankirkbride26

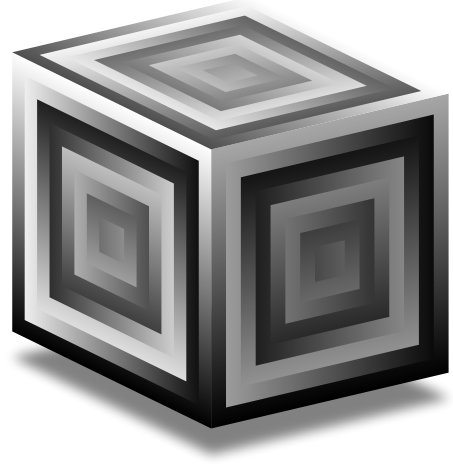
PhD Student at the University of Leeds researching collaboration in Live Coding. Developer of @FoxDotCode, live coder and member of @TYPEensemble

Traduzir bio

Leeds, England ryan-kirkbride.github.io

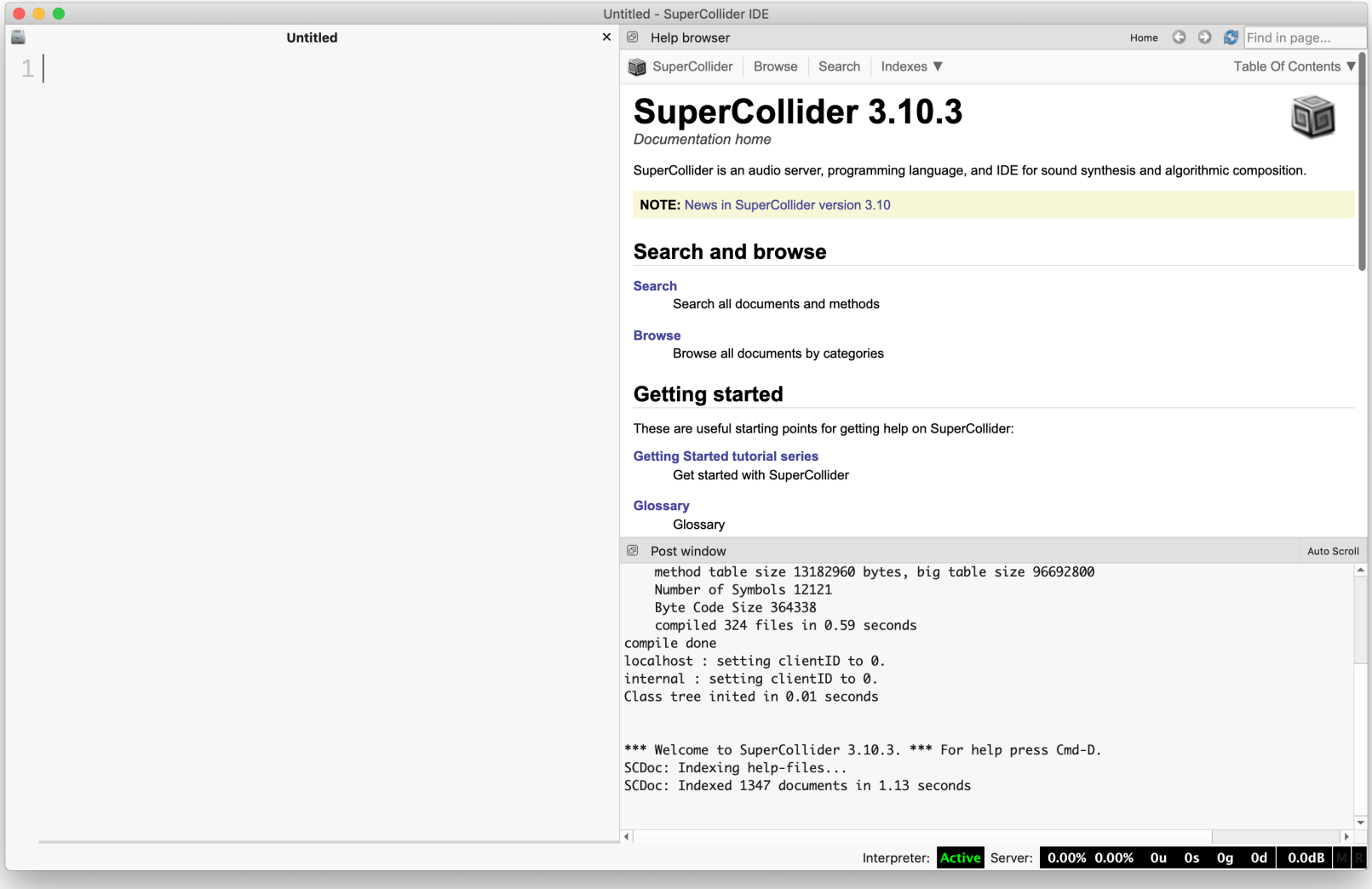
Ingressou em outubro de 2015

445 seguindo **604** seguidores

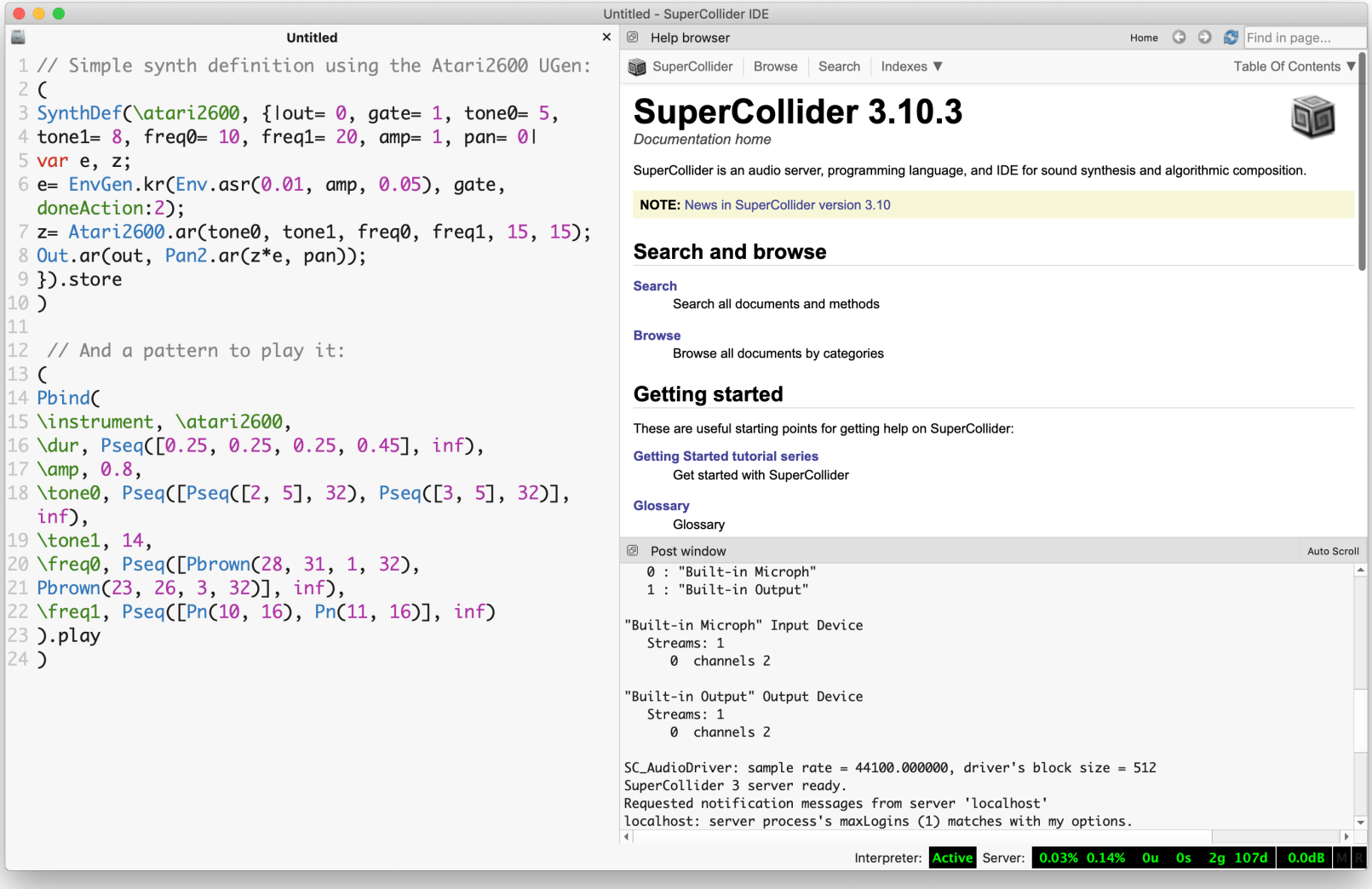


SuperCollider

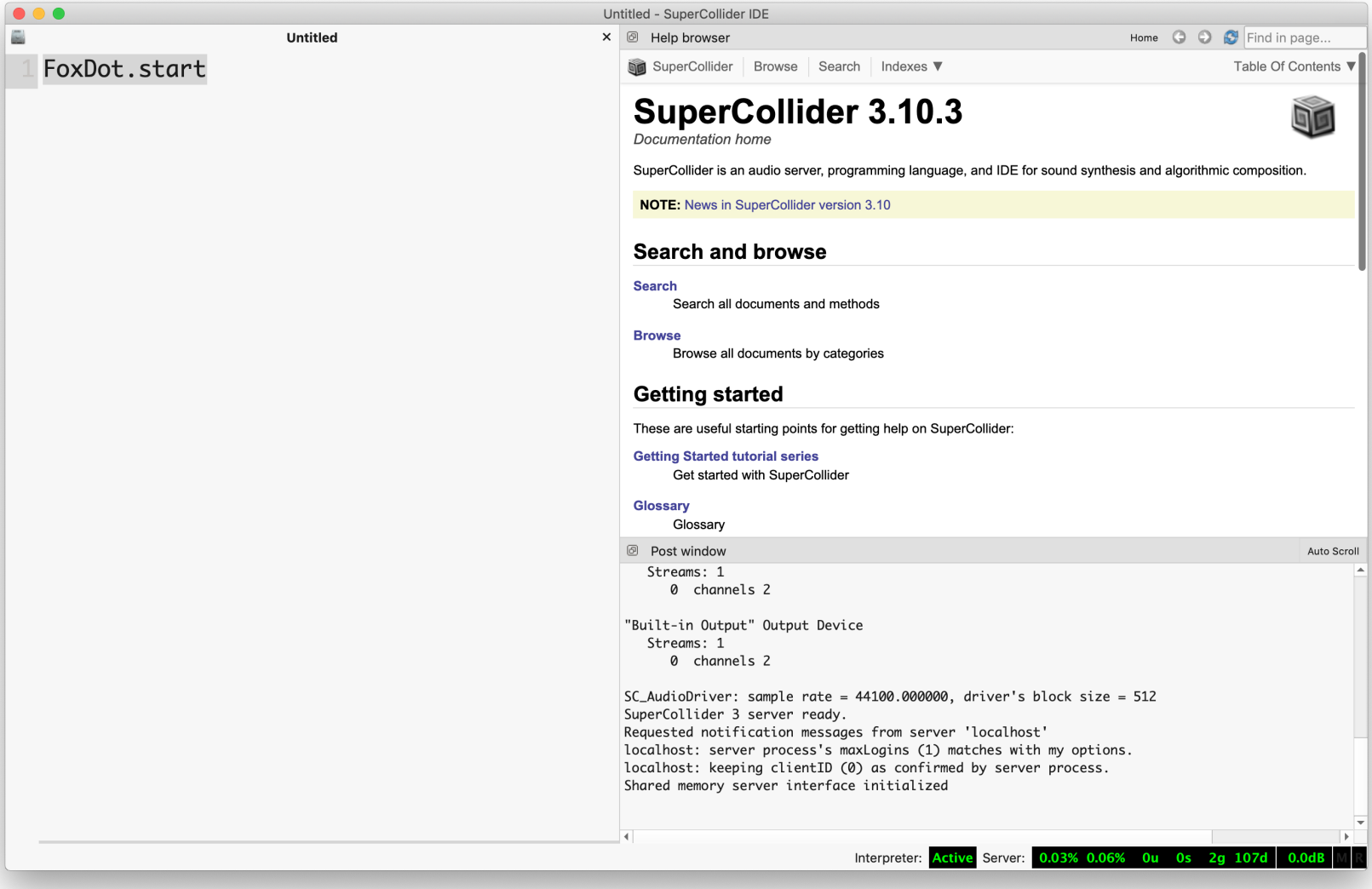
SuperCollider editor



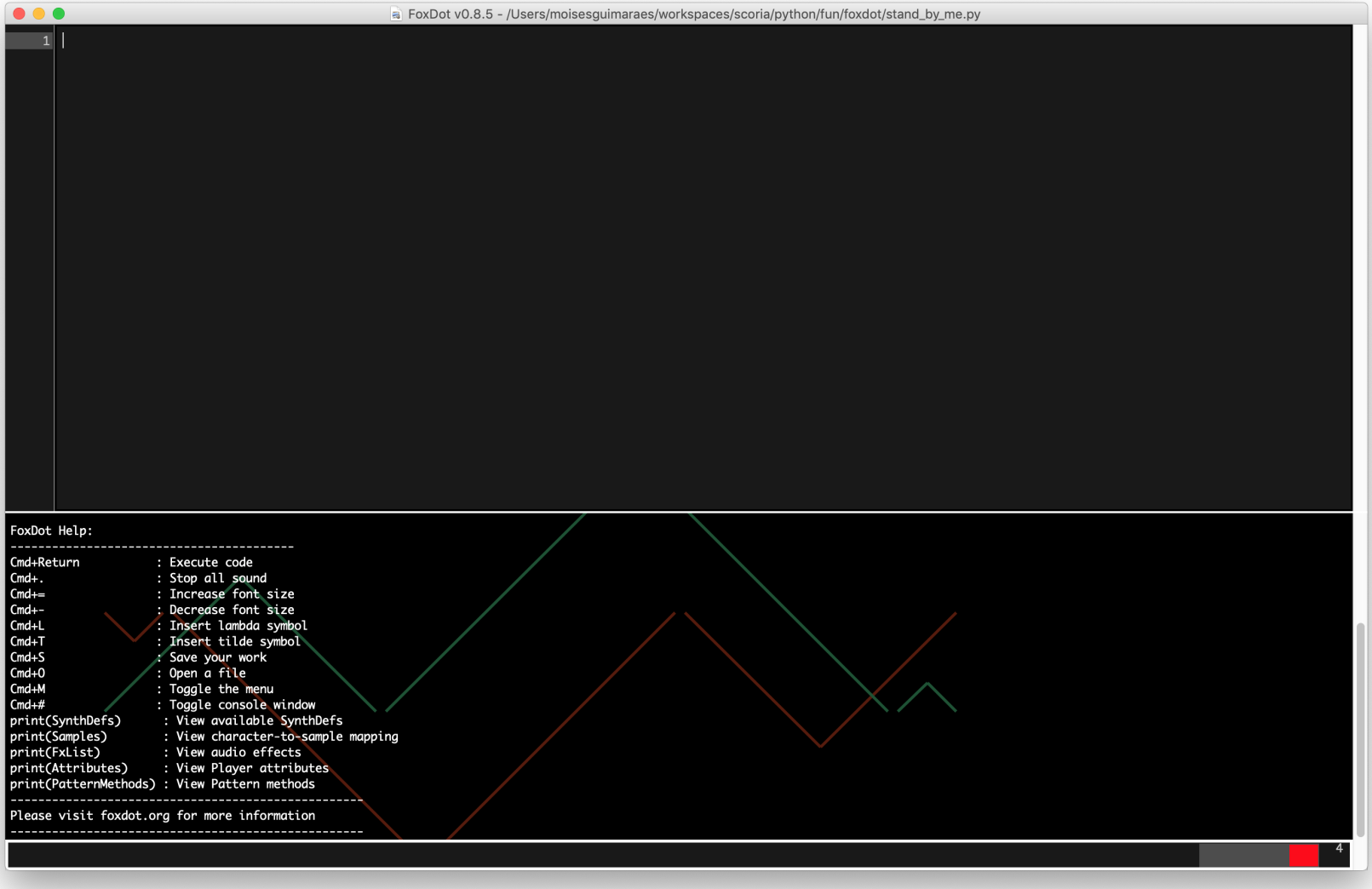
SuperCollider syntax



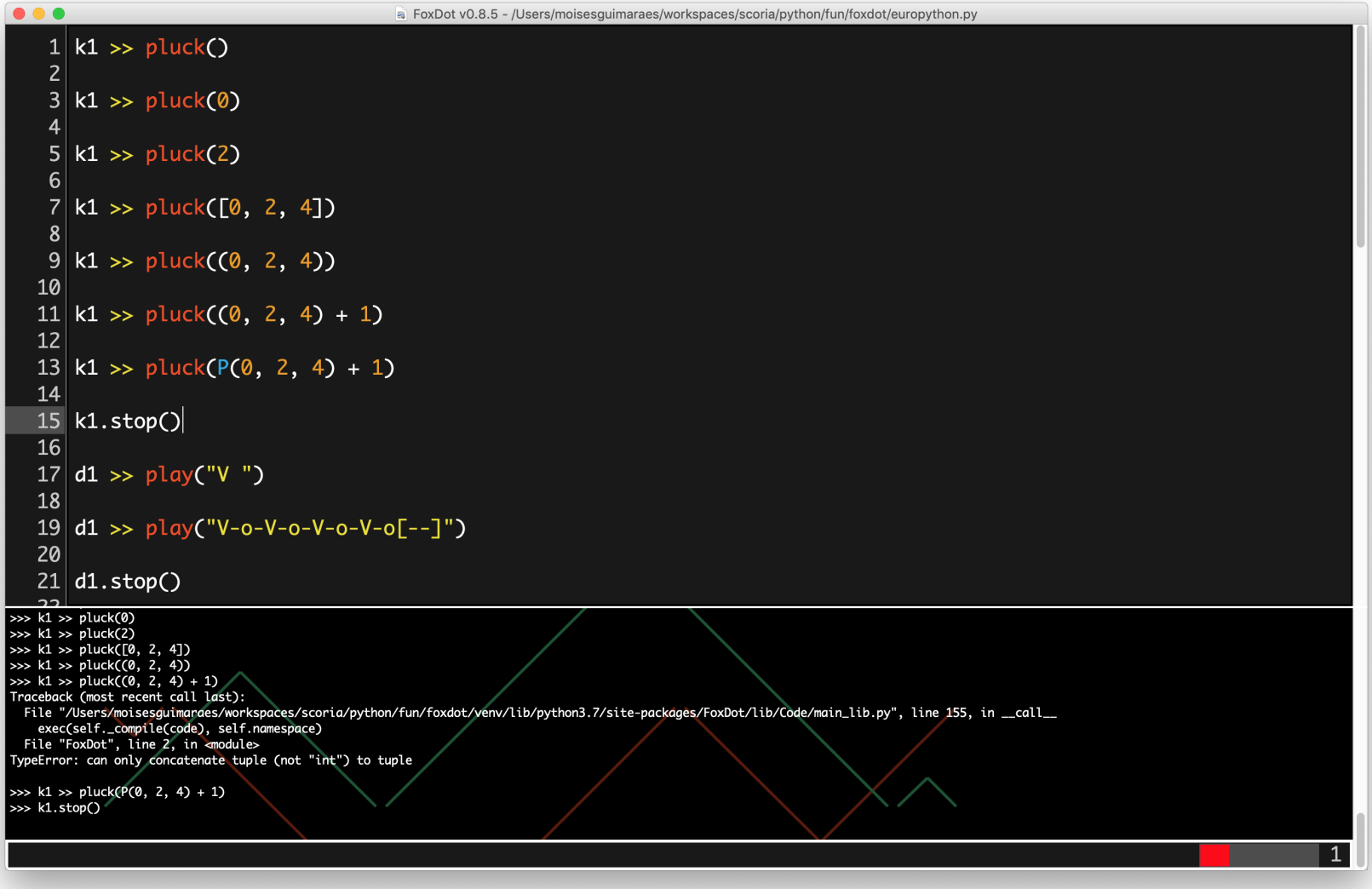
SuperCollider with FoxDot



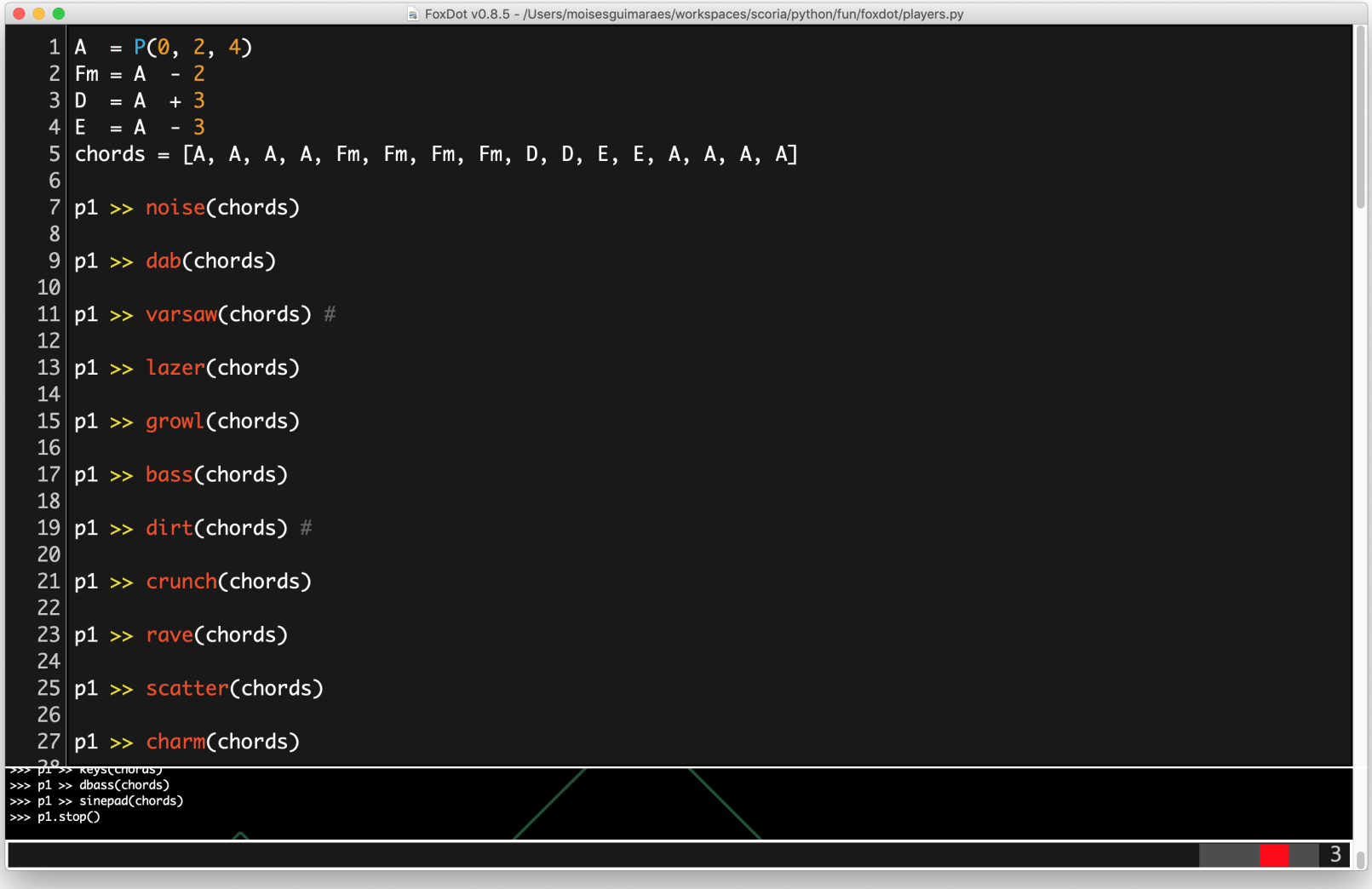
FoxDot editor



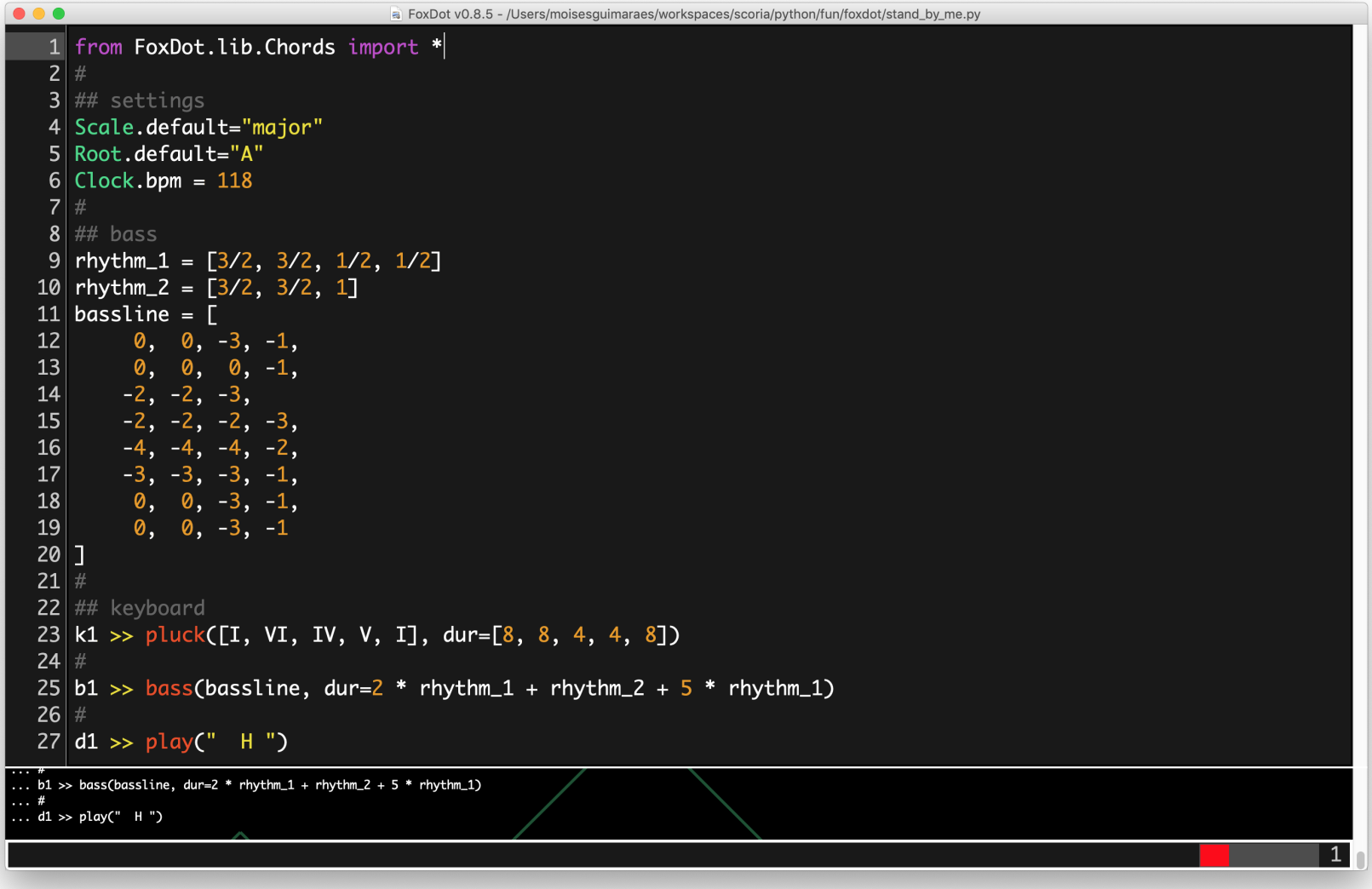
FoxDot 101


FoxDot v0.8.5 - /Users/moisesguimaraes/workspaces/scoria/python/fun/foxdot/europython.py
1 k1 >> pluck()
2
3 k1 >> pluck(0)
4
5 k1 >> pluck(2)
6
7 k1 >> pluck([0, 2, 4])
8
9 k1 >> pluck((0, 2, 4))
10
11 k1 >> pluck((0, 2, 4) + 1)
12
13 k1 >> pluck(P(0, 2, 4) + 1)
14
15 k1.stop()
16
17 d1 >> play("V ")
18
19 d1 >> play("V-o-V-o-V-o-V-o[--]")
20
21 d1.stop()
>>> k1 >> pluck(0)
>>> k1 >> pluck(2)
>>> k1 >> pluck([0, 2, 4])
>>> k1 >> pluck((0, 2, 4))
>>> k1 >> pluck((0, 2, 4) + 1)
Traceback (most recent call last):
File "/Users/moisesguimaraes/workspaces/scoria/python/fun/foxdot/venv/lib/python3.7/site-packages/FoxDot/lib/Code/main_lib.py", line 155, in __call__
exec(self._compile(code), self.namespace)
File "FoxDot", line 2, in <module>
TypeError: can only concatenate tuple (not "int") to tuple
>>> k1 >> pluck(P(0, 2, 4) + 1)
>>> k1.stop()
1

SynthDefs


FoxDot v0.8.5 - /Users/moisesguimaraes/workspaces/scoria/python/fun/foxdot/players.py
A = P(0, 2, 4)
Fm = A - 2
D = A + 3
E = A - 3
chords = [A, A, A, A, Fm, Fm, Fm, Fm, D, D, E, E, A, A, A, A]
p1 >> noise(chords)
p1 >> dab(chords)
p1 >> varsaw(chords) #
p1 >> lazer(chords)
p1 >> growl(chords)
p1 >> bass(chords)
p1 >> dirt(chords) #
p1 >> crunch(chords)
p1 >> rave(chords)
p1 >> scatter(chords)
p1 >> charm(chords)
>>> p1 >> dbass(chords)
>>> p1 >> sinepad(chords)
>>> p1.stop()
3

FoxDot Lightning Talks



EUROPYTHON 2019

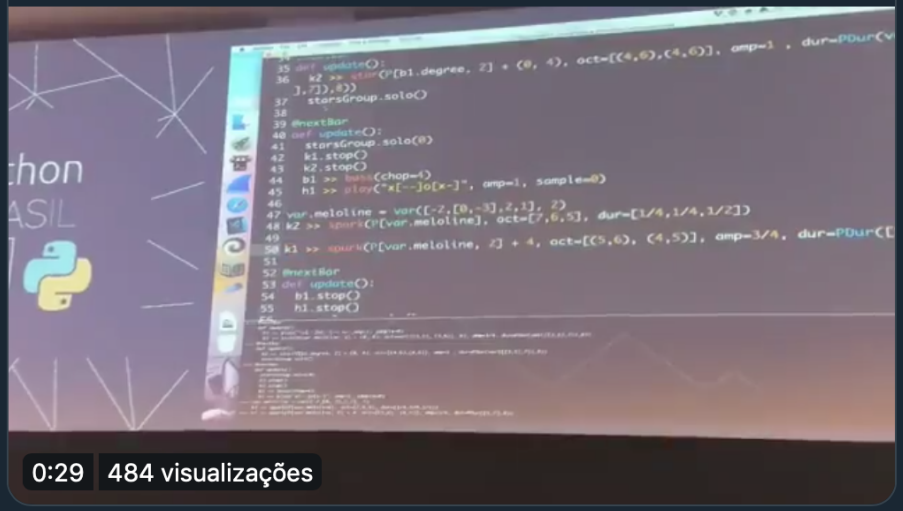
Moisés Guimarães @moisesguimaraes · 28 de out de 2018

#foxtot @ #pythonbr14

Rafael Henrique @rafaelhenrique · 19 de out de 2018

Moisés mandando muuuuuuito bem na Lightning talk dele na #PythonBR14 .... Sensacional!

Mostrar esta sequência



1

Você retweetou

Python Pizza @pythonpizzaconf · 5 de ago de 2019

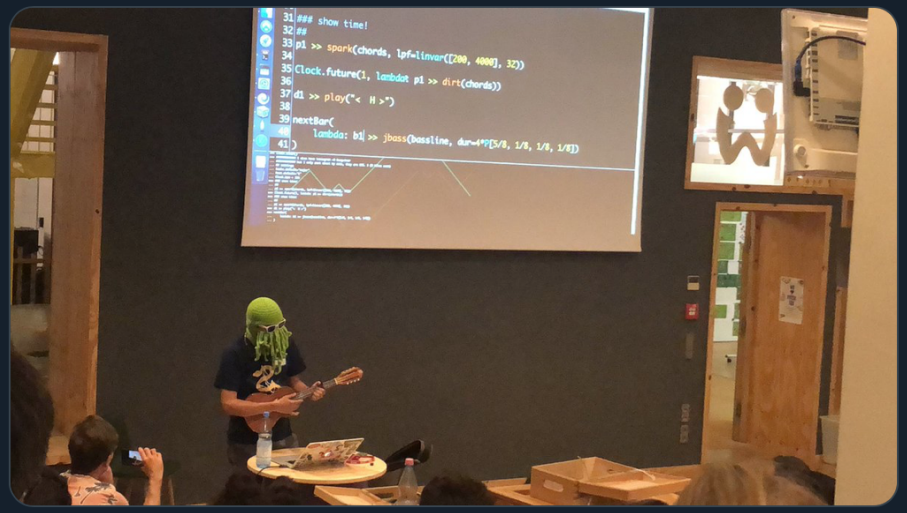
It's official! MC Cthulhu (@moisesguimaraes) is gonna join us for berlin.python.pizza

1 1 20

Você retweetou

Anastasiia Tymoshchuk @anastasiatymo · 23 de ago de 2019

Awesome talk by @moisesguimaraes @pythonpizzaconf

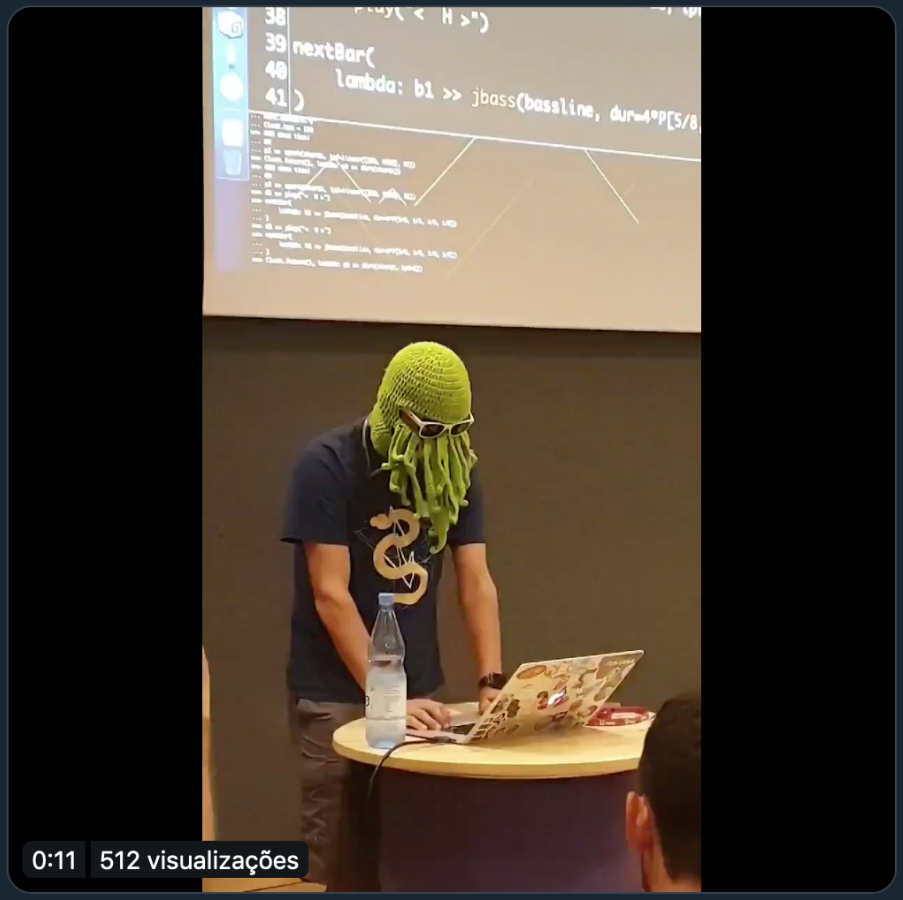


1 4 13

Você retweetou

Érico Andrei @ericof · 23 de ago de 2019

Kudos to @moisesguimaraes for signing, playing, dancing & coding during a 10 minutes talk. #berlinpythonpyzza #pythonbrasil @pythonpizzaconf



5 24

```
# Stand by Me

from FoxDot.lib.Chords import *
#
## settings
Scale.default="major"
Root.default="A"
Clock.bpm = 118
#
## bass
rhythm_1 = [3/2, 3/2, 1/2, 1/2]
rhythm_2 = [3/2, 3/2, 1]
bassline = [
    0, 0, -3, -1, 0, 0, 0, -1, -2, -2, -3, -2, -2, -2, -3,
    -4, -4, -4, -2, -3, -3, -3, -1, 0, 0, -3, -1, 0, 0, -3, -1
]
#
## keyboard
k1 >> pluck([I, VI, IV, V, I], dur=[8, 8, 4, 4, 8])
#
b1 >> bass(bassline, dur=2 * rhythm_1 + rhythm_2 + 5 * rhythm_1)
#
d1 >> play("  H ")
```

```
# 4 Chords song

Scale.default="major"
Root.default="E"
Clock.bpm = 116

I  = P*((2, 4), 0)
V  = I + 4
VI = I + 5
IV = I + 3
chords = var([I, V, VI, IV], 4)
p1 >> pluck(chords)

bassline = [0, 1, 2, 4, 4, 5, 6, 5, 5, 6, 7, 3, 3, 6, 7, 0]
b1 >> bass(bassline, dur=4*P[5/8, 1/8, 1/8, 1/8])
p1 >> spark(chords, lpf=linvar([200, 4000], 32))

Clock.future(16*6, lambda: p1 >> dirt(chords))
d1 >> play("<  H >")

nextBar(
    lambda: b1 >> jbass(bassline, dur=4*P[5/8, 1/8, 1/8, 1/8])
)
```

THANK YOU!

GUIMARAES+TALKS@PM.ME

HTTPS://MOISESGUIMARAES.COM/TALKS/