



the
CODE LIBERATION FOUNDATION
GAME JAM RESOURCES

What is Code Liberation?

- Game Development Workshops
- Community Building
- High School Initiatives
- Safe Space
- Game Jams
- NYU Poly

Contact:
`@codeliberation`
`hello@codeliberation.org`

Game Jam?

What's that?

Some examples ~(￣▽￣)~

bacon game jam
space cowboy jam
ludum dare 31
new world jam
jam for leelah

and so much more...
and so much more...

What kind of **tools**
have you used for
game jams?



I. Game Engines

“A **game engine** is a software framework designed for the creation and development of video **games**. Video **game** developers use them to create **games** for video **game** consoles, mobile devices and personal computers.”

http://en.wikipedia.org/wiki/Game_engine

Game Maker Studio

yoyogames.com

Prog. language: GML

Cost of Software: Free for trial

Learning curve: Easy

Drag & Drop: Combination

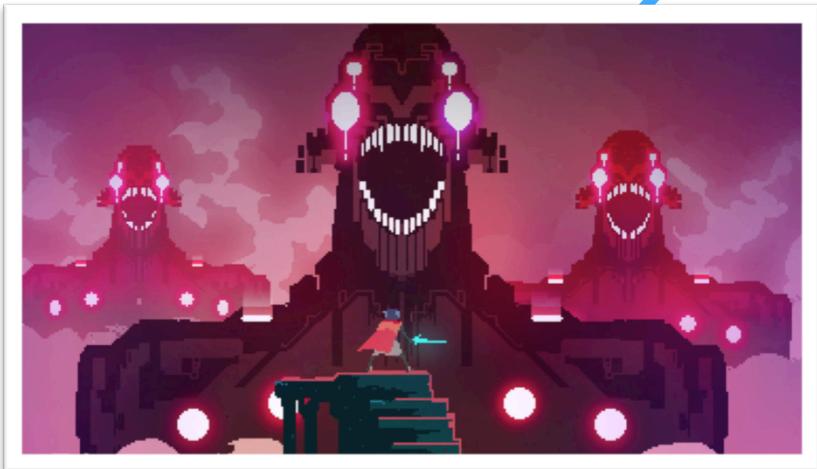




Hotline Miami



Spelunky



Hyper Light Drifter



Nidhogg

Unity 2D + 3D

unity3d.com



Prog. language: C#, JavaScript, UnityScript, and Boo

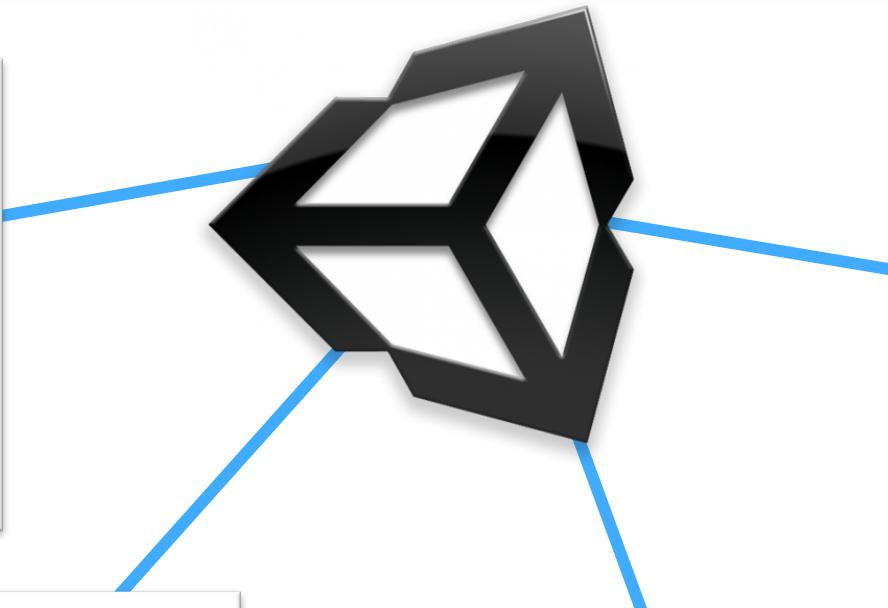
Cost of software: Free

Learning curve: Medium

Drag & drop: No



Never Alone



The Bridge



Jazzpunk



The Forest

Unreal Engine

unrealengine.com

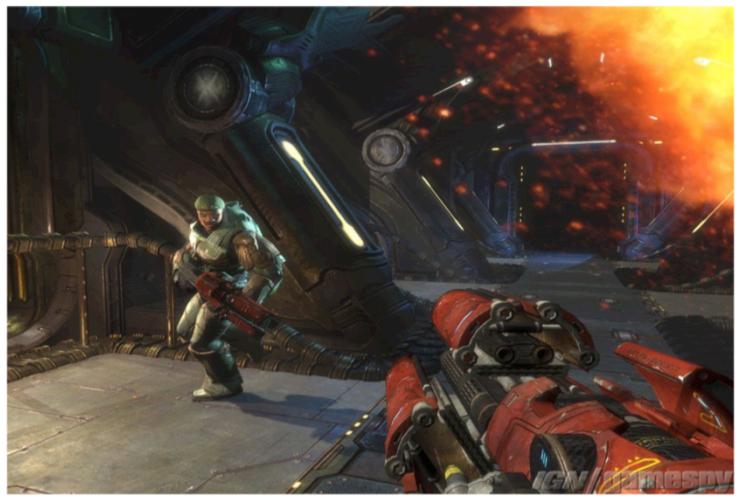
Prog. language: Kismet, C++, Blueprints

Cost of software: Free for student

Learning curve: Medium

Drag & drop: Combination

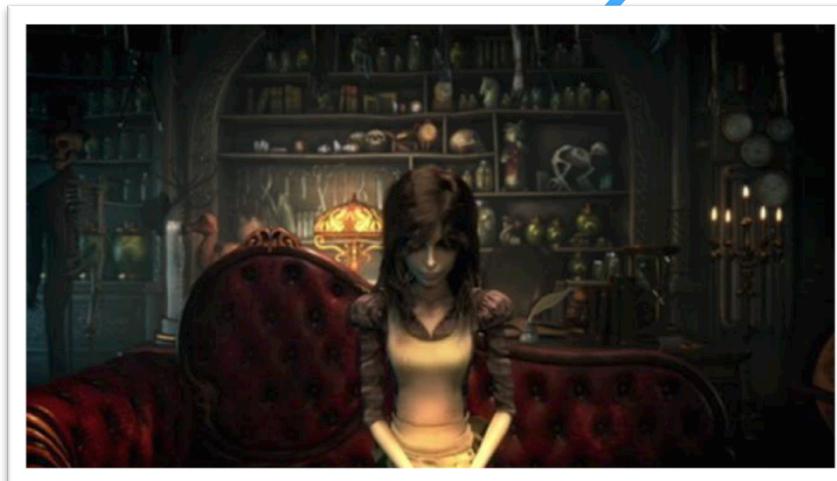




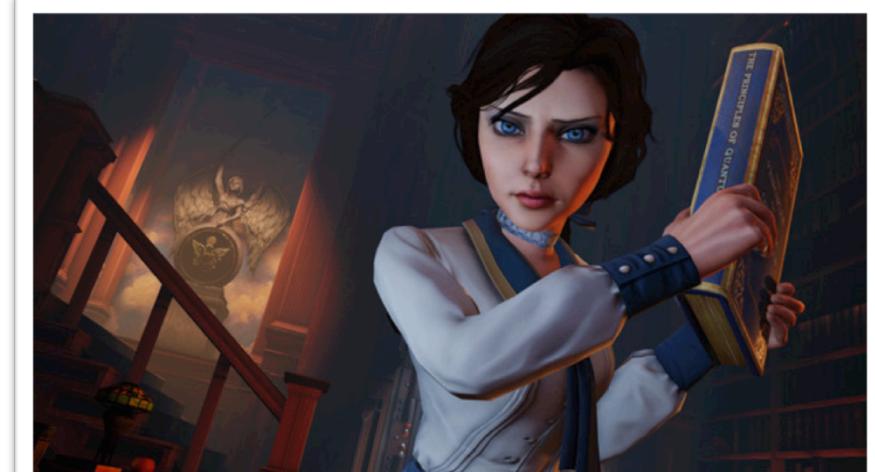
Unreal Tournament



Borderlands



Alice: Madness Returns



Bioshock Infinite

Twine

twinery.org

Prog. language: HTML, CSS, JavaScript
Cost of software: Free
Learning curve: Easy
Drag & drop: Combination





Dys4ia



Climbing 208 Feet Up the Ruin



Little Butterfly

THE CROWD HEAVES

the bass of the music
you can feel it vibrate through your fingertips
warm feeling of rum
sticky on your throat;
ice cracks in the glass
you put lime to your lips and bite

turn, ravenously, to regard the dancefloor

Sacrilege

Ren'Py

renpy.org

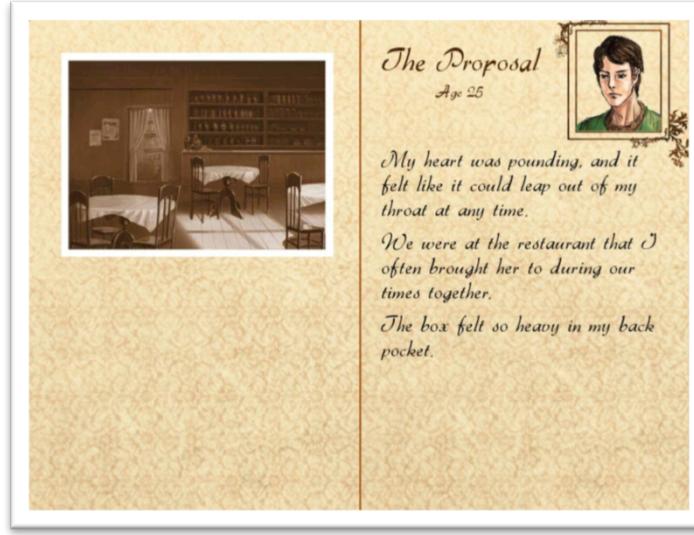
Prog. language: Ren'Py, Python

Cost of software: Free

Learning curve: Easy

Drag & drop: No





Wedding Vows



Night at the Hospital



WarioDate!



Asylum Demo (ver 1.0)

II. Music & Audio

Music and audio are both **crucial** for setting up an atmosphere in games. Imagine the difference it makes when you **hear** footsteps in a creepy mansion versus not hearing anything at all.

sfxr

drpetter.se/project_sfxr.html

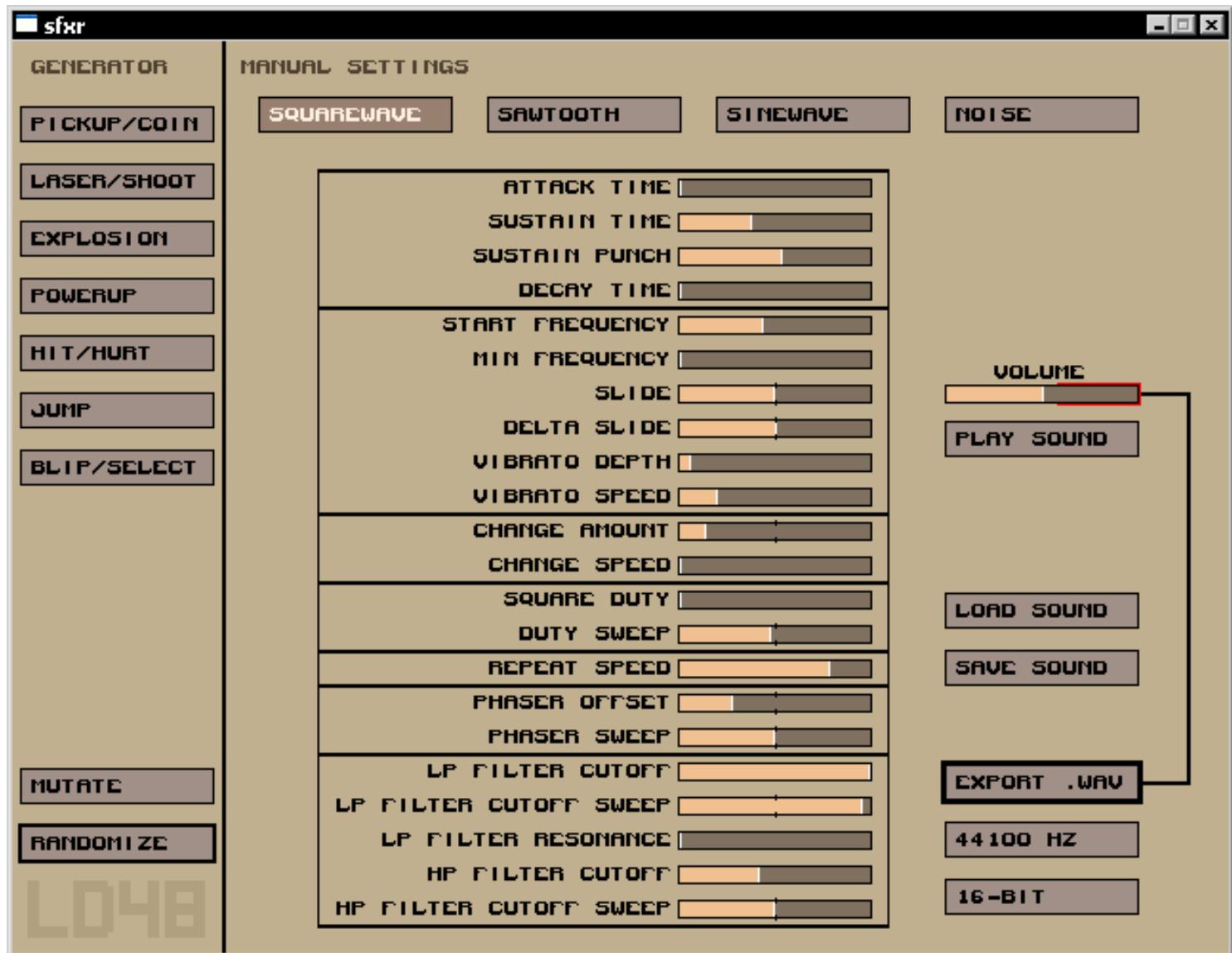
Good for: basic sound effects

Export: WAV

Cost: free



sfxr interface



bfxr

bfxr.net

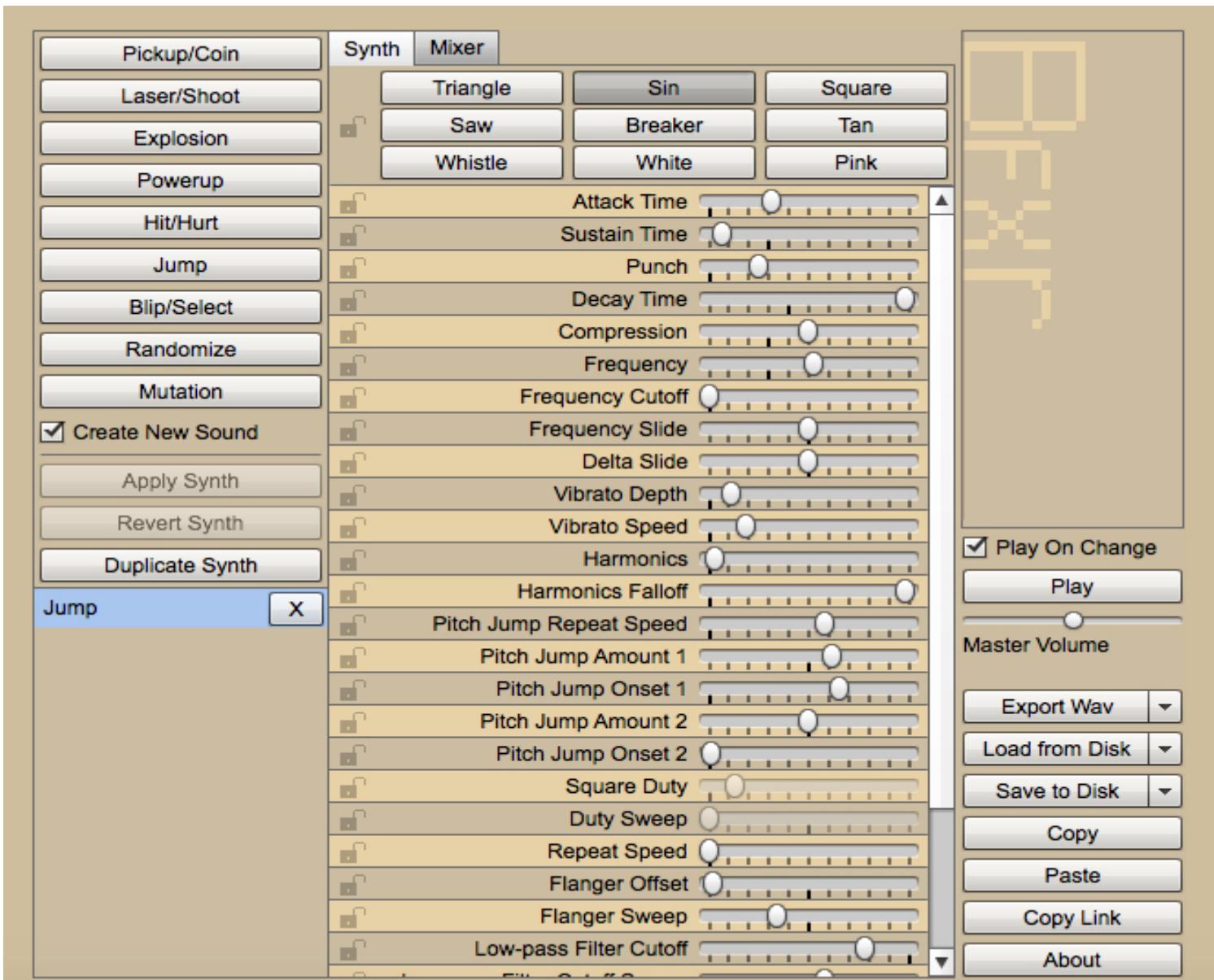
Good for: basic sound effects

Export: WAV

Cost: free and accessible via web



bfxr interface



Bosca Ceoil

distractionware.com

Good for: music editor

Export: WAV

Cost: free



Bosca Ceoil interface

FILE ARRANGEMENT INSTRUMENT

BOSCA CEOIL v1.0

Created by Terry Cavanagh
SiON softsynth library by Kei Mesuda
Distributed under FreeBSD license

<http://www.distractionware.com>

NEW SONG EXPORT .wau

LOAD .ceol SAVE .ceol

PATTERN ▼ 4 ▼ 16

BPM ← 120 →

Sunvox

warmplace.ru

Good for: sound effects & music

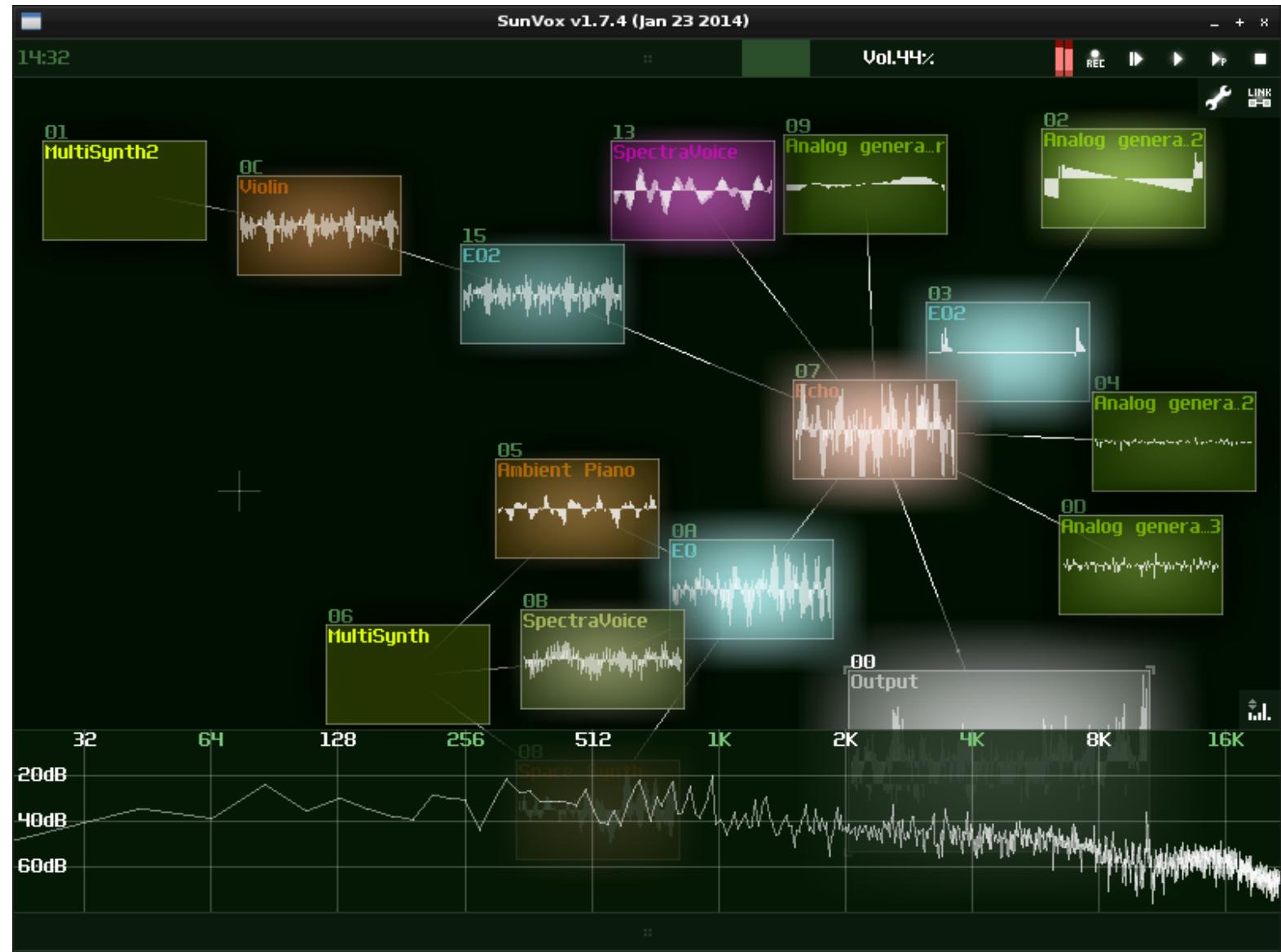
Export: WAV

Cost: free



Sunvox

interface



Sunvox

warmplace.ru

Good for: music editor

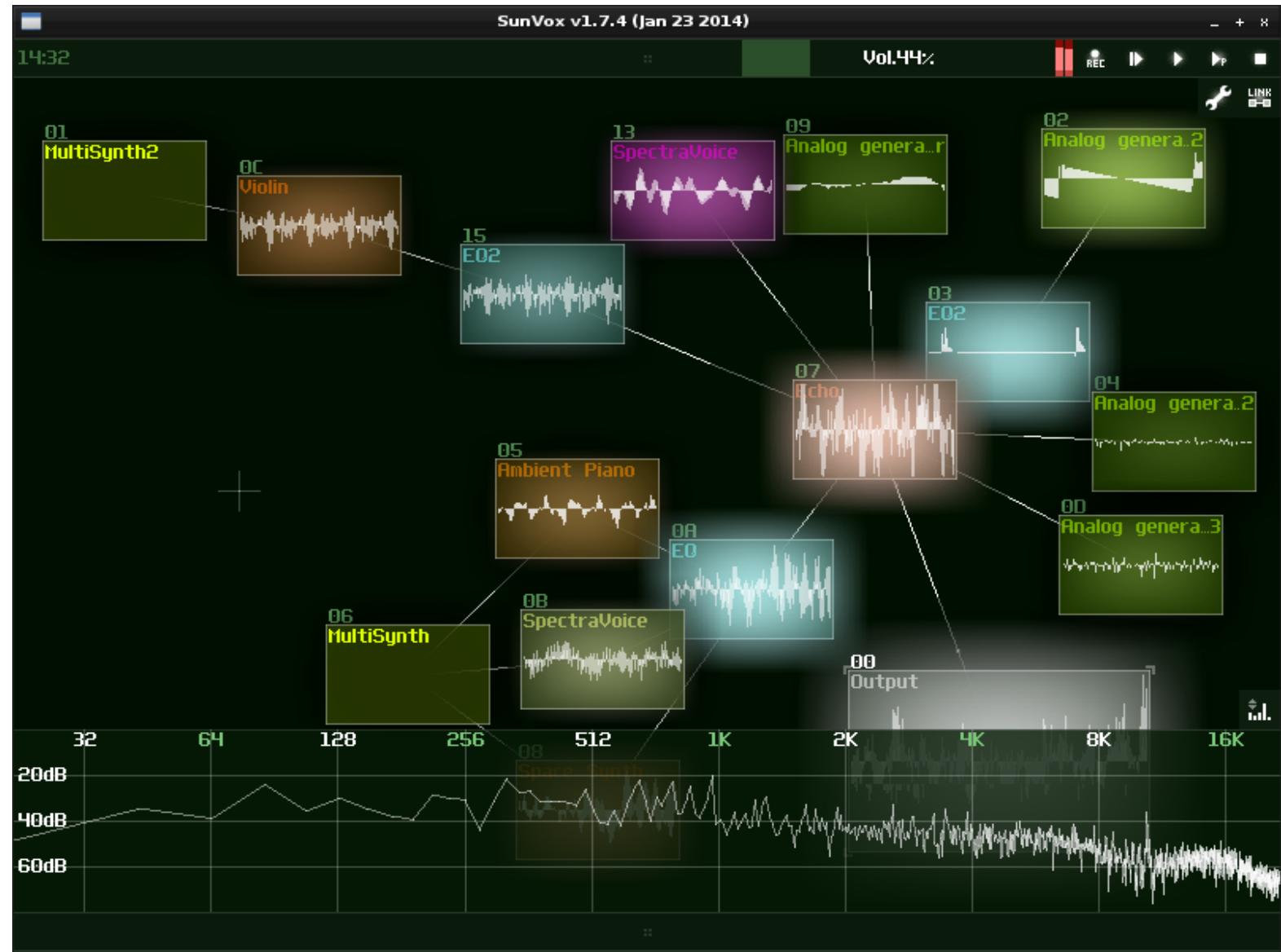
Export: WAV

Cost: free



Sunvox

interface



Fruity Loops

image-line.com/flstudio/

Good for: music editor

Export: WAV

Cost: free



Fruity Loops interface



III. Art and Graphics

Everything starts out with an idea, and that idea is then conceptualized through rough sketches of characters, levels, and environments, which is further polished during development. **Game art** can range from **2D** to **3D** or from 8bit to low-poly—the possibilities are endless.

Make8BitArt

make8bitart.com

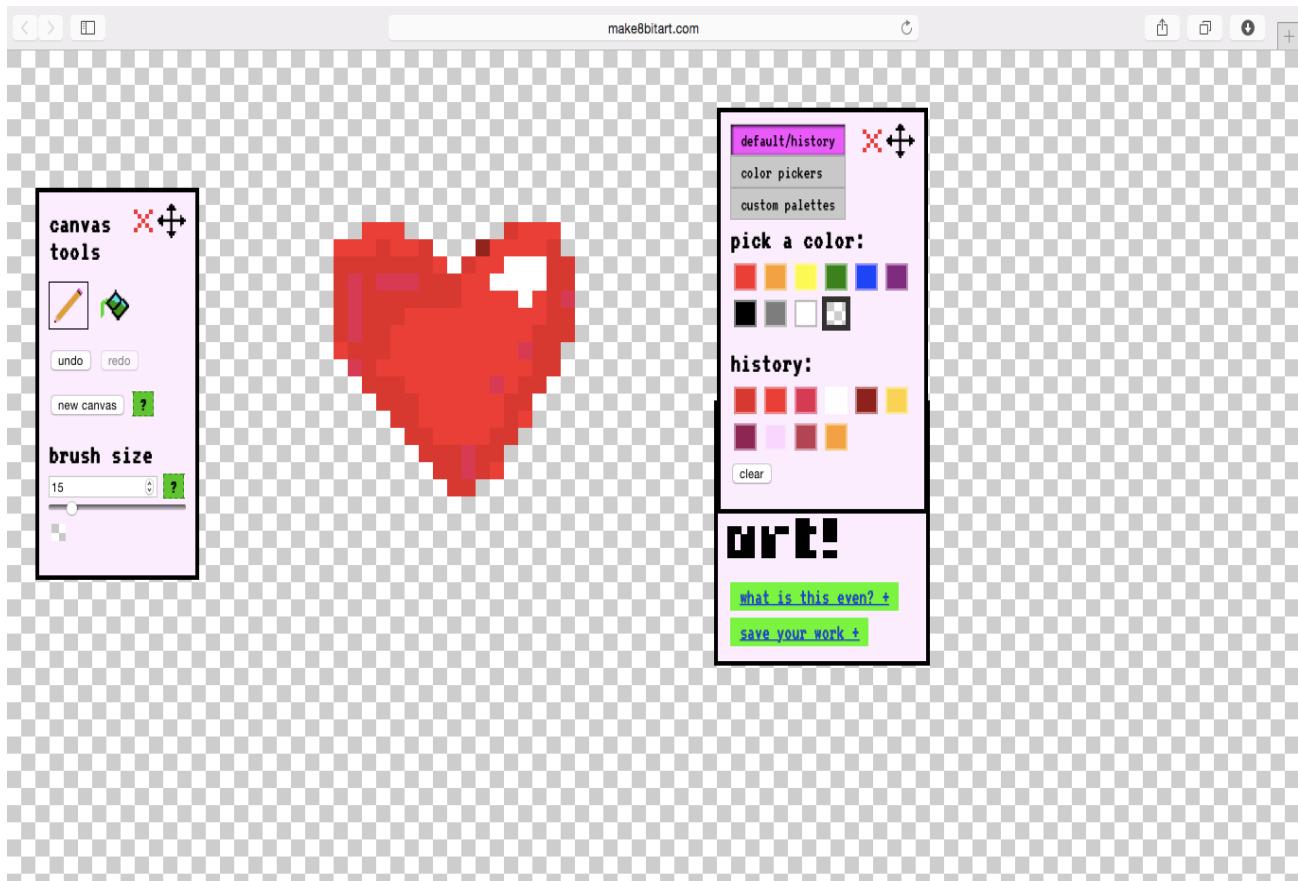
Software: pixel art generator

Learning curve: easy

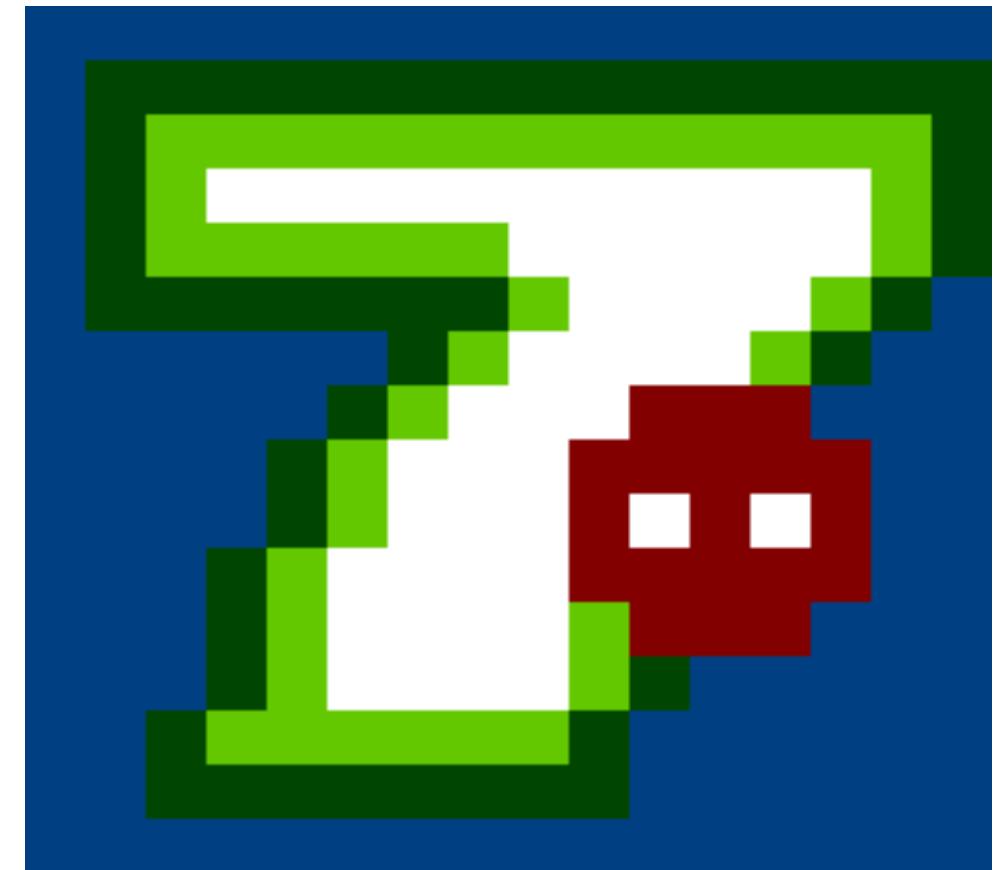
Cost: free



interface



example



Gimp

gimp.org

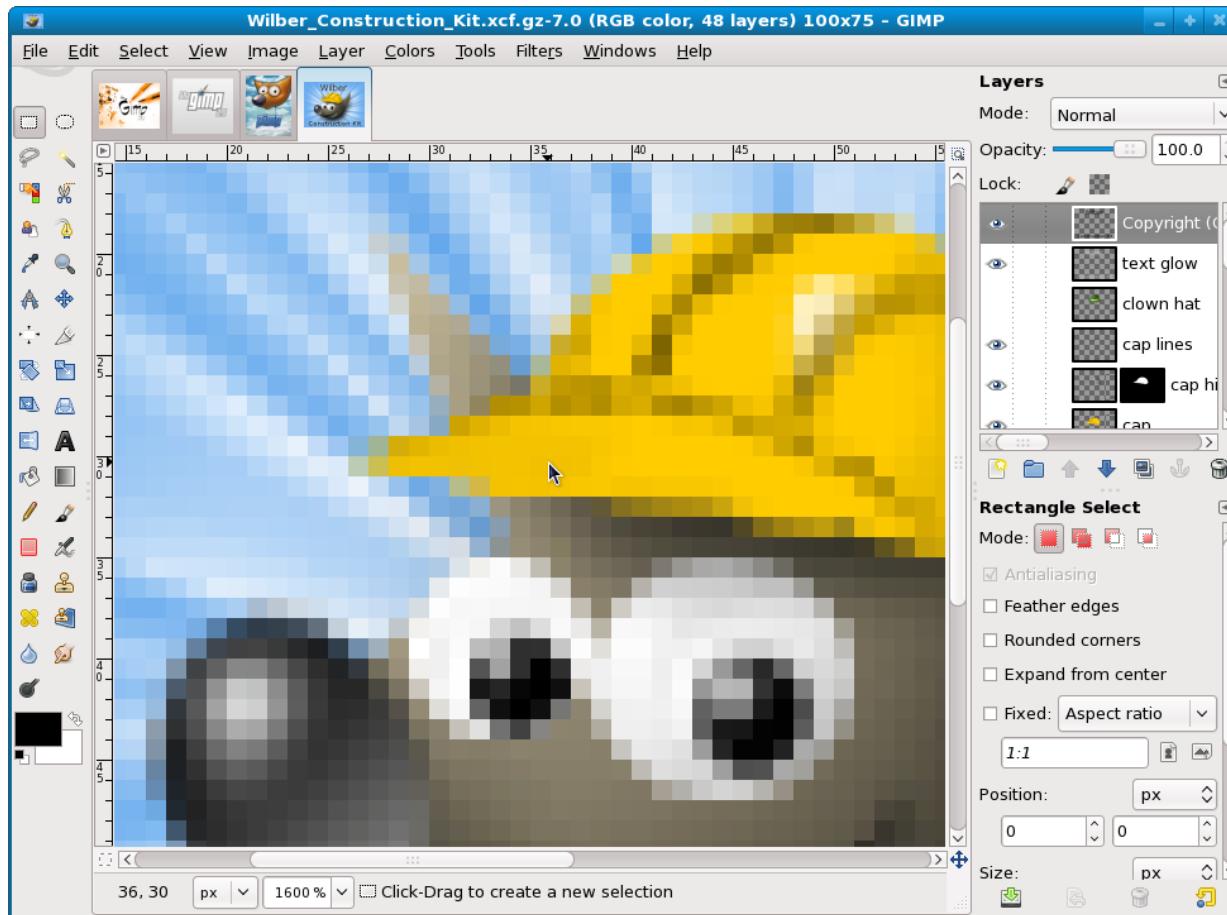
Software: bitmap graphics editor

Learning curve: medium

Cost: free



interface



example



Blender

blender.org

Software: 3D modelling

Learning curve: medium

Cost: free



interface



example



OpenGameArt

opengameart.org

Software: cc art & music

Learning curve: none

Cost: free



example



example



Aseprite

aseprite.org

Software: pixel art generator

Learning curve: easy

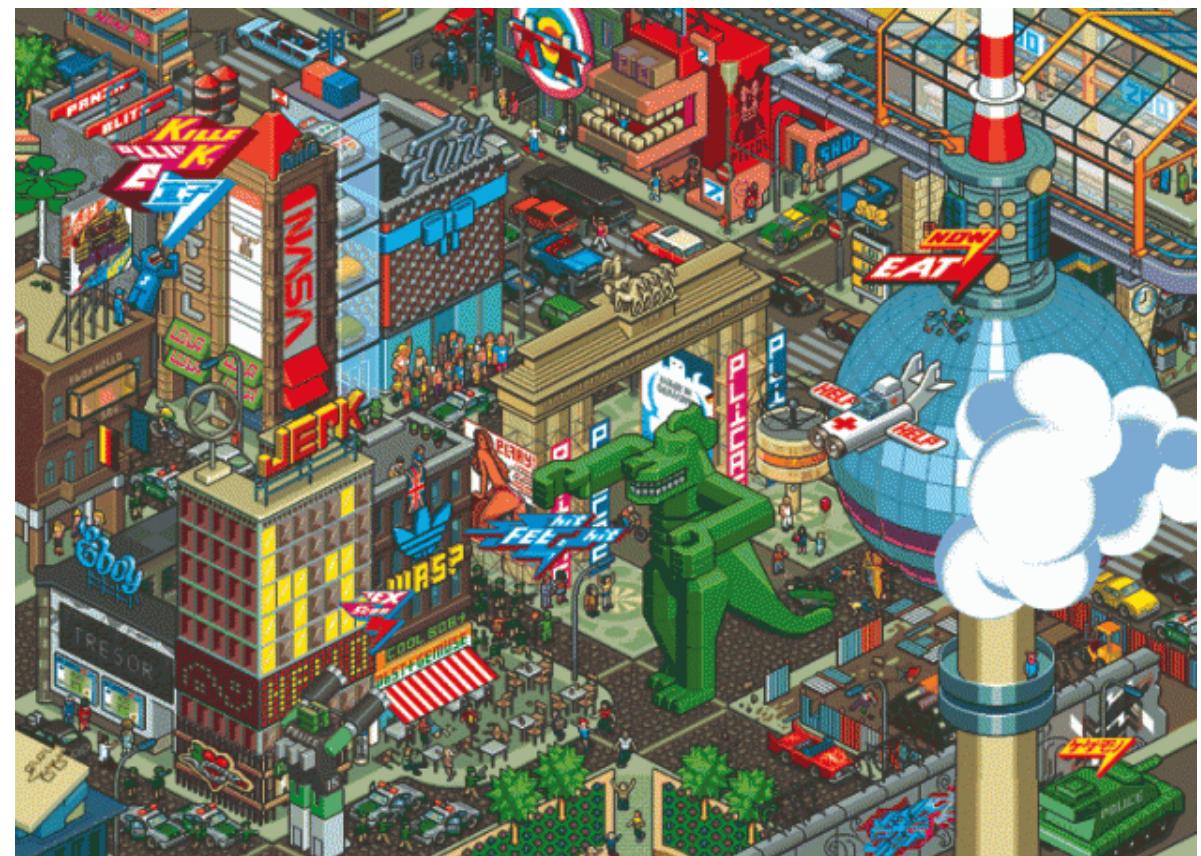
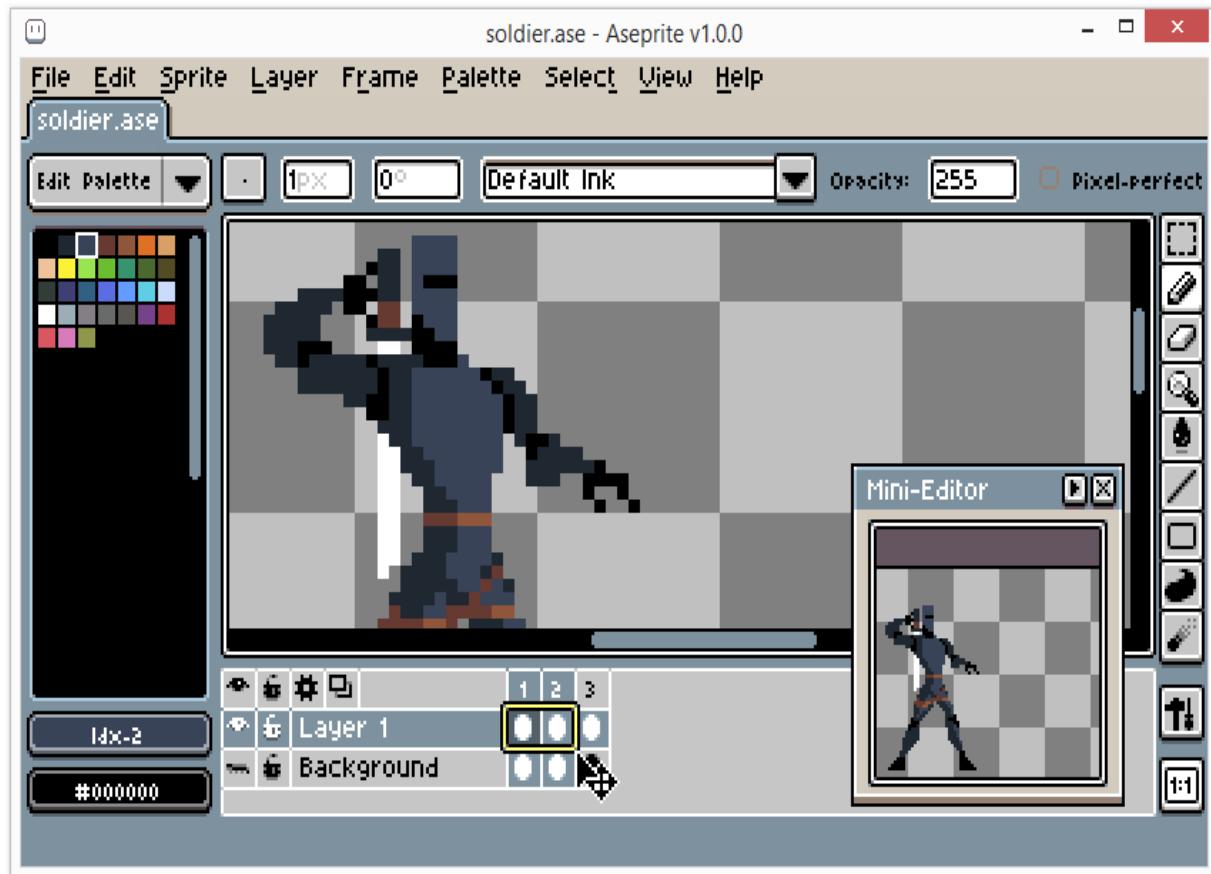
Cost: free



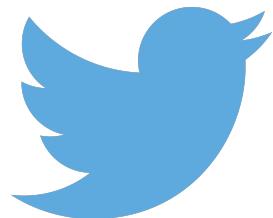
interface



example



www.codeliberation.org



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