Music & CS

Frank Lore (High School)



FL Studio: Digital Audio Workstation



High School: Making music with friends

Frank Lore (College + Life After)



Sermstyle (Pitbull, Dua Lipa, Ke\$ha)



MC Jin, Jeremy Lin, DansonnBeats (Basketball & Rap Documentary)

Frank Lore (College + Life After)



Ex-Battalion - Front Page



JR Crown, Thome, Kath -Kahit Ganyan Ka

Audio Software!

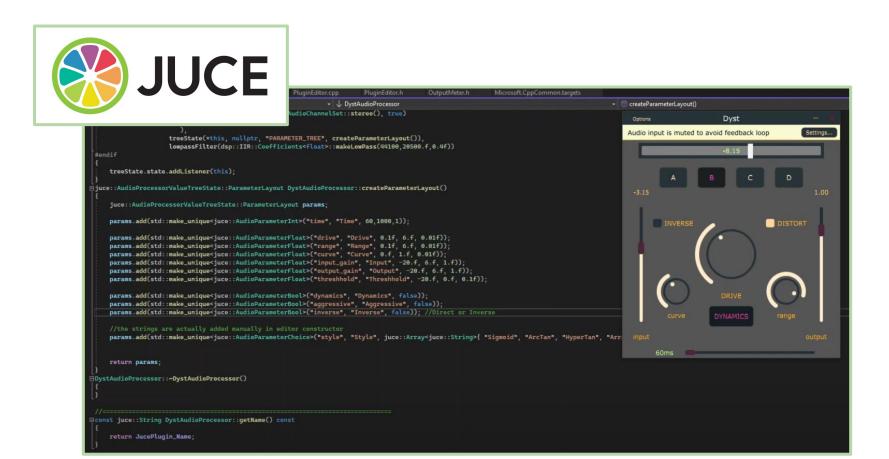


Larrabee Studio in Los Angeles



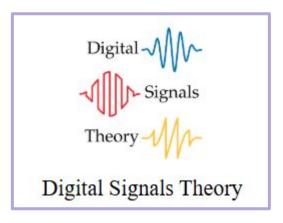
Audio Software: Used to make music!

(Lil Nas X - Old Town Road)



Use C++ and programming to make your own plugins!





```
def similarity(x, y):
 '''Compute similarity between two signals x and y
 Parameters
x, y: np.ndarrays of equal length
 Returns
 S : real number
     The similarity between x and y
 ...
 # Initialize similarity to 0
 5 = 0
 # Accumulate the sample-wise products
 N = len(x)
 for n in range(N):
    S = S + x[n] * y[n]
 return S
```

Python: Used to study music as audio waveforms, known as *Music Information Retrieval*

Where to Learn More?













Schools and free online resources!

