

## UMix – A Mobile Application of Music Production Tool

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Digital music production usually requires various hardware and software tools, like mixer, compressor, MIDI sequencer software, digital audio workstation (DAW) software and high-quality microphones. These hardware tools are usually non-portable and large in size, which are very inconvenient and costly to install. For software tools, they are not only computationally intensive, but also highly manual and non-intuitive in UI design, creating a steep learning curve for users.

Therefore, our group developed **UMix**, which is an iOS application providing straightforward, intuitive and innovative ways in digital music production.



### New way to create digital music

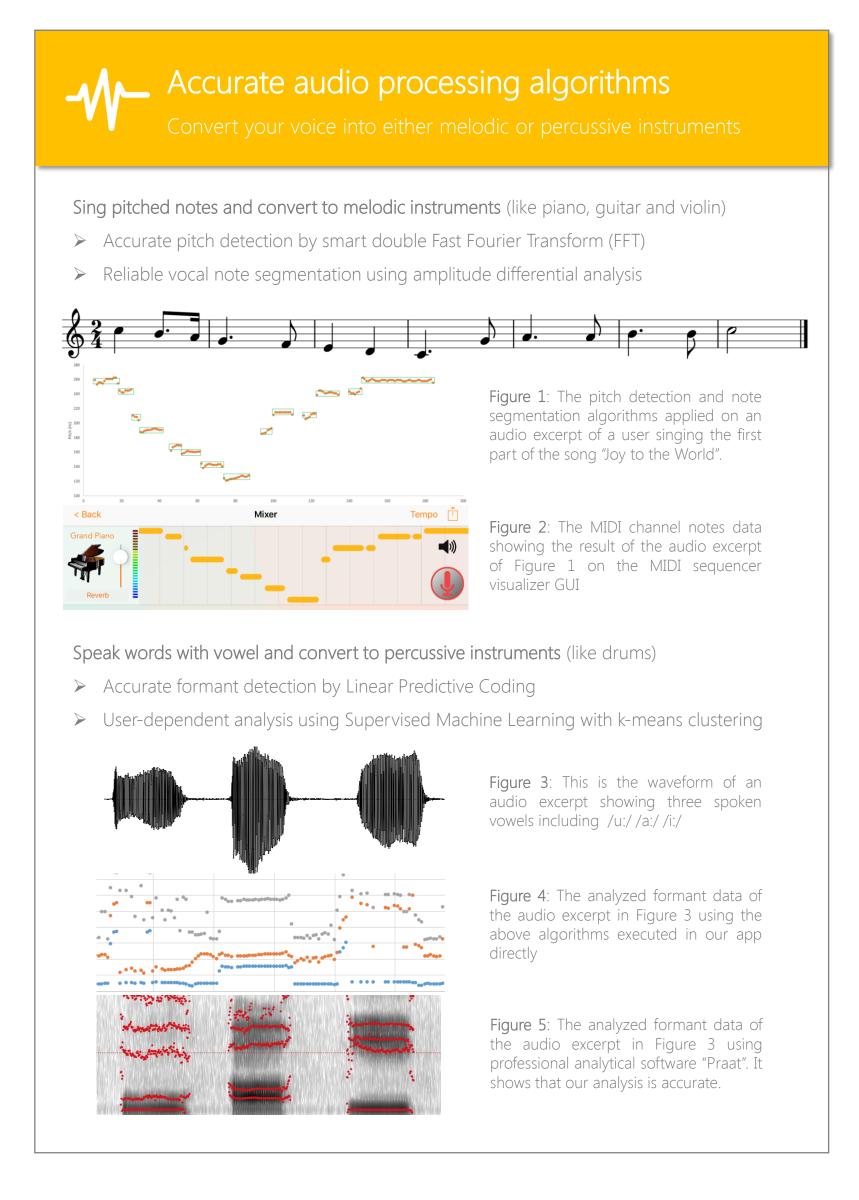
Turn your voice to an instrument and mix it right on your smart device





- Native iOS interface
- Easy-to-understand music visualizers
- > Intuitive editor with gesture recognizer
- > Assistive pitch meter and amplitude views

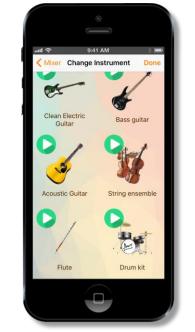






#### Professional music studio on your smart device

Offer professional digital music production experience



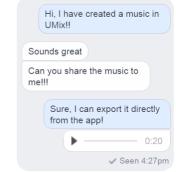
#### Digital Audio Workstation (DAW)

Provide most essential DAW functions

- > Full-functioned multi-channel MIDI sequencer and player
- Low-latency real-time MIDI player playback for user preview
- Virtual instrument sound library of various instruments with realistic sounds, including Grand Piano, Acoustic Guitar, Classical Guitar, Electric Guitar, Bass Guitar, Violin, String Ensemble, Flute and Drum Kit.
- Customizable real-time audio effects, including echo,
  reverb and distortion, tremolo and compressor

# Mix, export and share instantly

Share your music creation to your friends



- Export your mixed music into PCM or MP3 format
- Instantly share your music creation to external apps like AirDrop, Mail, Google Drive, Facebook Messenger and Dropbox

Compatible with iOS 9.0+ device

