Developing Model Detector for Audio Deepfakes Emanuel Mendiola-Ortiz², Zirui Zhang¹, Chengzhi Mao¹ Junfeng Yang¹ Software Systems Lab, Department of Computer Science, Columbia University¹ College of Information Sciences & Technology, Penn State University²

Introduction

- Proliferation of audio deepfakes
- •Generating high-quality deepfakes from open source and commercial sources
 - •Creating custom
 - dataset

Future Work

- Load/test model on newly created custom dataset.
- **Evaluate results from testing**
- **Further fine-tuning of the**

audio detector model

N. M. Müller, P. Czempin, F. Dieckmann, A. Froghyar, and K. Böttinger, "Does Audio Deepfake Detection Generalize?," arXiv preprint arXiv:2203.16263, 2022. [Online]. Available: https://arxiv.org/abs/2203.16263

• Bonafide • VCTK LibriSpeech







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