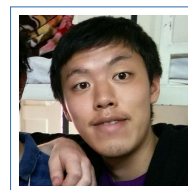


Kohki Mametani

Curriculum Vitae

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Education

2015 – 2019
Apr Mar **Bachelor of Engineering, Doshisha University, Kyoto, Japan.**
- Department of Intelligent Information Engineering and Science
- GPA 3.2/4.0

Preprint

2018
Oct **Investigating context features hidden in End-to-End TTS.**
- Under review at the International Conference on Signal and Speech Processing 2019
- Analyzed hidden states of a neural network with a diagnostic classifier
- Conducted a novel comparison between End-to-End TTS and HMM-based parametric TTS

Experience

2018 – 2018
Apr Jun **Research Assistant, Doshisha University, Kyoto, Japan.**
- Assistant of Prof. Tsuneo Kato during a corpus creation project
- Developed a phoneme segmentation tool with HTK along with its Python wrapper
- Increased manual segmentation productivity by twice as much

Selected Projects

2018 – now
Dec **NTT Corevo Challenge, Competitor.**
- Submitted deep learning model for audio classification (Gender x Age) task using Keras

2017 – 2018
Sep Mar **Joytan, Maintainer.**
- Automated audio/textbook creation using speech synthesis and web-scraping
- Developed a cross-platform desktop application with PyQt5
- Built installers for Windows, Mac, and Linux along with a website to maintain releases

2017 – 2017
May Jun **Pycraft, Contributor.**
- Fixed design flaws in the code base and optimized object-oriented programs

2017 – 2017
Apr May **CGINC, Maintainer.**
- Developed a Povray-like raytracing software in C
- Implemented specular light computation and a CSG-model definition parser

2016 – 2016
Feb Mar **Trump Wall Breakout, Maintainer.**
- Developed an Android game using libGDX.

Extracurricular Activity

2018 – now
Jan **Joytan App, Founder and Creator.**
- Published 50+ educational videos which are automatically created by Joytan
- Gained 1,200+ subscribers & 80,000+ views on YouTube