Kohki Mametani
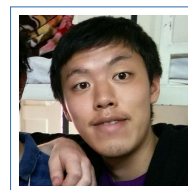
Curriculum Vitae

1-9-1, Seikacho, Seikadai
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✉ *kohkimametani@gmail.com*
🖰 *kokimame.github.io/*
 kokimame

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
- Analyzing hidden states of a neural network with a diagnostic classifier
- Compare 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 at Spoken Language Processing Lab
- 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 using Keras for audio classification (Gender x Age) task

2017 – 2018
Sep   Mar

Joytan, *Maintainer*.
- Multimedia educational content maker powered by 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*.
- Python-clone of a famous voxel game powered by Open-GL
- Fixed design flaws in its 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*.
- Android game about a political issue in the U.S.

Extracurricular Activity

2018 – now
Jan

Joytan App, *Founder and Creator*.
- Automatically produced 50+ educational videos with Joytan and shared them on video sharing websites
- Gained 1,000+ subscribers to the service & 60,000+ views on YouTube

Last updated on Monday 24th December, 2018