

# Kohki Mametani

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## Education

### Doshisha University

BACHELOR OF ENGINEERING

- Department of Intelligent Information Engineering and Sciences
- GPA 3.2/4.0

*Kyoto, Japan*

*Apr. 2015 - Exp. Mar. 2019*

## Preprint

### Investigating context features hidden in End-to-End TTS

SUBMITTED TO ICASSP 2019

- Unique and extensive comparison between End-to-End TTS and parametric TTS
- Analyzed internal vector representations of a large PyTorch-based neural network

*[arXiv link](#)*

*Oct 2018*

## Experience

### Spoken Language Processing Lab, Doshisha University

RESEARCH ASSISTANT

- Developed a phoneme segmentation tool with HTK and a Python wrapper for it
- Increased the productivity of manual segmentation in the laboratory twice as much

*Kyoto, Japan*

*Apr. 2018 - Jun. 2018*

## Selected Projects

### Joytan

MAINTAINER

- Developed a cross-platform desktop application with PyQt5
- Utilized speech technology (TTS) and web-scraping
- Built installers for Windows, Mac, and Linux and a website to maintain releases

*[Github link](#)*

*Oct. 2017 - Mar. 2018*

### Pycraft

CONTRIBUTER

- Fixed a design flaw in the code base and optimized object-oriented programs

*[Github link](#)*

*May. 2017 - Jun. 2017*

### CGINC

MAINTAINER

- Developed a Povray-like raytracer written in C
- Implemented specular light computation and a CSG-model definition parser

*[Github link](#)*

*May. 2017*

## Extracurricular Activity

### Joytan App

FOUNDER AND CREATOR

- Shared 50+ educational videos, which are created with the automation tool Joytan, for language learners on video-sharing websites
- Gained 300+ subscribers & 30000+ views on YouTube.

*[Youtube Channel](#)*

*Jan. 2018 - Present*