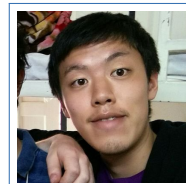


# Kohki Mametani

## Curriculum Vitae

1-9-1, Seikacho, Seikadai  
Kyoto, Japan  
☎ (+81)90-9166-1995  
✉ [kohkimametani@gmail.com](mailto:kohkimametani@gmail.com)  
📄 [kokimame.github.io/](https://kokimame.github.io/)  
🐙 [kokimame](https://github.com/kokimame)



### Education

- 2015 – 2019  
Apr Exp. Mar
- Bachelor of Engineering, Doshisha University, Kyoto, Japan.**
- Department of Intelligent Information Engineering and Science
  - Thesis: Diagnostic classifiers reveal context features hidden in End-to-End TTS

### Experience

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

### Publications

- 2019  
Exp. May
- Investigating context features hidden in End-to-End TTS.**
- 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
  - Accepted to the IEEE International Conference on Signal and Speech Processing 2019 (ICASSP)

### Selected Projects

- 2018 – 2019  
Dec Jan
- 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 – present  
Jan
- Joytan App, Founder and Creator.**
- Published 40+ educational videos (sample creations of Joytan) on YouTube
  - Gained 2.0k+ subscribers & 100k+ views on YouTube