



# TAI'VEYON SHAW

## SOFTWARE ENGINEER

### PROFILE

I am a recent graduate from Western Washington University looking for opportunities to work in a fast paced environment as a software engineer where I can learn quickly and provide value using my machine learning background.

### WORK EXPERIENCE

#### SOFTWARE ENGINEER (L1)

WWU Entertainment Application Services (2021 - 2023)

- Updated legacy forms to new OnBase form systems to meet new system requirements and WCAG accessibility guidelines.
- Utilized Groovy and SQL to build an easy to use automated script that converts an OnBase file to an excel format.
- Worked in a cooperative job environment with weekly meetings where we give updates on our tasks.

### NOTABLE PROJECT

#### SPEAKER CLASSIFICATION

Used Neural Network to create a program that would identify the probability of two .wav files coming from the same speaker.

- Created a system to convert .wav file into a Mel spectrogram by utilizing cutting and padding methods to normalize the spectrograms into a usable format by the Convolutional Neural Network (CNN).
- Employed a CNN based on the popular VGG-16 architecture to compare spectrograms and identify whether they came from the same speaker.

### DETAILS

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### LINKS

🌐 [Github](#)

🌐 [LinkedIn](#)

🌐 [Personal Website](#)

### EDUCATION

#### BACHELOR OF SCIENCE, DATA SCIENCE

🎓 Western Washington University (WWU)  
2019-2023

#### MINORS

- Mathematics
- Japanese

### SKILLS

#### Languages & Frameworks:

Japanese, Java, Python, HTML, CSS,  
JavaScript, React, Typescript

#### Concepts:

Machine Learning, CNN, Transformers,  
Neural Networks, RNN, DNN