CSC4050 CS capstone project information collection

1. Name*

Zhizheng Wu

2. How many students would you like to take?*

10

3. A brief description of the projects the students could work on*

You will work on the high-impact project Amphion (https://github.com/open-mmlab/Amphion), which was rated as an A+++ project by a top Silicon Valley Investor - Jason Calacanis. In pacticular,
- Singing Voice Conversion
- Text to speech synthesis
- Text to audio generation
- Text to audio generation
- General software development
- Visualization of classic models

I will recommend internship if there is significant and meaningful contributions to Amphion.
Successful stories: Yuancheng Wang to Microsoft Research Asia, Jiaqi Li to Microsoft Research USA, Ting Wang to UBTech (via CSC 3160 poster session)

More about Amphion: https://www.bilibili.com/video/BV1kG411k7W9

4. Requirements (e.g. html or c++ skills)*

Python.
Knowledge of Machine learning is a plus
Knowledge of signal processing is a big plus

5. Other comments or suggestions

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