logitech®

INTERNSHIP CERTIFICATE

We the undersigned, **Logitech Europe SA**, hereby certify that Bohan Wang, born on April 14th 1998, has been employed by our Company as an **Engineering Intern, CTO,** from September 5th, 2022 until February 26th, 2023 at the Borel Innovation Centre (BIC), located in Lausanne, Switzerland.

Logitech is a leading global provider of product solutions that connect people with the digital world. Logitech provides hardware and software for various computers, communication and entertainment platforms.

In his role as an **Engineering Intern, CTO**, Bohan explored real-time voice conversion projects. He demonstrated profound machine learning skills. Bohan designed and implemented a conformer based deep learning model to capture phonetic posteriorgrams representations from a speech. He designed and implemented a FastSpeech2 based deep learning model to generate a sequence of converted acoustic features for LPCNet to synthesise target speaker speech with the same linguistic content as the source speech. Additionally, Bohan designed and implemented a non-parallel low latency any-to-any voice conversion system. He uploaded the code of a non-parallel low latency any-to-any voice conversion system to the GitHub repository of Logitech CTO. He wrote a paper submitted to the INTERSPEECH 2023 conference.

Bohan was dedicated during his internship, especially during careful tuning of every system's sub-module. He was a great asset to our audio machine learning team. We have appreciated Bohan for his willingness and his efficient delivery of the tasks we entrusted to him. He worked well with the team. Bohan produced a high quality of work while also ensuring that he met deadlines during his internship. In conclusion, his skills and his openness to learn new concepts, make Bohan an extremely valuable asset for any team.

Bohan is fluent in Mandarin and English. He is proficient with scripting languages such as Python, has advanced deep learning skills with PyTorch and TensorFlow. He is able to follow and prototype the latest published methods. Bohan is a great asset for any R&D team. He is leaving Logitech at the end of his internship. We thank him for his contribution, and we would have no hesitation in recommending Bohan Wang to a future employer. Bohan is suitable for pursuing the PhD program, but he is also practical and would fit the industrial research and R&D environment. We would like to wish him all the best in the future.

LOGITECH EUROPE SA

DocuSigned by:

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Jean-Michel Chardon
Head of Technology Innovation

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