Chenyi Lin

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Location: Amsterdam, Netherlands

Profile

A speech tech graduate with a strong background in linguistics and speech technology, specializing in speech synthesis and recognition. Achieved a **9.0-graded** MSc thesis on expressive TTS systems, presented at **Interspeech 2024 Satellite Event and VoiceID 2024 conference**. **Winner of the 9292 AI Lab Competition**, with hands-on expertise in training, optimizing, fine-tuning, and evaluating state-of-the-art ASR and TTS models using advanced architectures. Driven to advance speech technology innovations while ensuring ethical practices and safeguarding privacy.

Education

- **MSc in Voice Technology** *University of Groningen (09/2023 - 06/2024)*
  - Completed courses in advanced speech recognition, advanced speech synthesis, machine learning, python programming (GPA: 8.9 (**Cum Laude**); **top 5%** of the student cohort).
  - Conducted *thesis* research on expressive and personalized TTS systems with FastSpeech2.
  - Presented at **the Interspeech 2024 satellite event YFRSW** and **VoiceID 2024 conference**.
- **Bachelor of Linguistics** *Utrecht University (09/2020 - 06/2023)*
  - Major in linguistics and minor in data science (GPA: 8.23).
  - Participated in an exchange program at the University of Edinburgh (09/2022 - 12/2022).

Skills

- Expertise: State-of-the-art ASR and TTS models, machine learning, deep learning
- Hard Skills: Python, PyTorch, TensorFlow, Scikit-learn, R, Git, Docker
- Soft Skills: Team Leadership, Problem Solving, Teamwork, Critical Thinking, Communication
- Languages: Dutch (Intermediate), English (Advanced), Mandarin (Native), Spanish (Intermediate)

Projects

- **9292 AI Lab Competition**: *Awarded First Prize at 9292 AI Lab Competition*. Led a cross-disciplinary collaboration with experts in speech technology, HCI, and UX design to develop a gamified voice-based travel assistant app, showcasing innovation and teamwork.
- **ASR projects**:
  - Built an HTK-based ASR Demonstrator to recognize Dutch postcodes.
  - Improved speech command recognition accuracy to 91% using LSTM-RNN architecture.
- **TTS projects**:
  - Synthesized speech using differnt TTS syntems, including Tacotron2, FastSpeech2.
  - Employed transfer learning and fine-tuning techniques for low-resourced speech synthesis.

Professional experience

- **Voice Branding Consultant (freelancer)**
  - Responsibilities: Evaluated Mandarin TTS voices in naturalness, overall quality, and listening effort for automotive VAs. Offered recommendations to enhance voice clarity and engagement.
  - Achievements: Key role in the voice evaluation process, influencing the direction of branding strategies and leading to measurable enhancements in VA performance and user satisfaction.