

# Peilin Sun

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## EDUCATION

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**Zhejiang University**, Hangzhou, China Aug. 2021 — Expected Jun. 2025  
College of Computer Science and Technology  
Bachelor of Engineering: Software Engineering  
GPA: 3.99/4.00 Ranking: 1/64

## ACADEMIC EXPERIENCE

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**MUSLab - Zhejiang University** Hangzhou, China  
*Research Intern, Advisor: Prof. Li Lu* Mar. 2023 — Present  
**Project: A lightweight and real-time voice conversion model**

- Streamlined and optimized the existing multi-to-multi voice real-time conversion model trained by our team, enabling it to operate in real-time on desktop-grade CPUs.
- Introduced depthwise separable convolution to reduce the model's complexity, thereby alleviating the computational burden during both training and inference.
- Utilized offline distillation techniques in knowledge distillation, employing both feature-based and response-based knowledge training to train student models.
- Employed causal convolution and feature caching techniques to decouple the model from dependencies on subsequent context, thereby enhancing its real-time performance.

## PROJECTS

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**Support more data sources for federated querise** Hangzhou, Zhejiang  
*Participator in Open Source Promotion Plan, Mentor: Mingyu Chen* Jul. 2023 — Sep. 2023

- Integrated Delta Lake external data source into Open Source, Real-Time Data Warehouse using C++ and Java
- Accessed metadata through Hive Metastore
- Utilized a unified JNI framework, based on Delta Lake Standalone, for data access

## AWARDS

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**National Encouragement Scholarship** Nov. 2023  
Awarded to top 5% students who excel in both character and academics by the Chinese government

**National Student Reasearch Training Program** Mar. 2023  
Member of one in 10 teams granted \$ 2800 for research on lightweight and real-time voice conversion model

**3rd Award of National College Student Information Security Contest** Oct. 2023  
Awarded to top 5% students for academic and innovation outstading

**Nandu first-class Scholarship** Nov. 2022  
Awarded to top 1% students for academic and innovation outstading sponsored by Nandu Corp.

## SELECTED COURSES

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Calculus(4.0/4.0), Linear Algebra(4.0/4.0), Numerical Analysis(4.0/4.0), University Physics(4.0/4.0)  
Advance Data Structure & Algorithm Analysis(4.0/4.0), Fundamentals of Data Structures(4.0/4.0)  
Principles Of Computer System(4.0/4.0), Operating System(4.0/4.0), Computer networks(4.0/4.0)

## SKILLS

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- Programming:** Python, C++, C, Java, Matlab, HTML, css, javascript, LaTeX
- Language:** CET 563
- Reasearch Tools:** Pytorch, Numpy, Linux, Git