

# XINHAO MEI

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## EDUCATION

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<b>Southwest Petroleum University</b>	<i>2015-2019</i>
Bachelor of Engineering in Software Engineering	Chengdu, China
Overall GPA: 81.0/100.0	
<b>University of Surrey</b>	<i>2019-2020</i>
Master of Science in Computer Vision, Machine Learning and Robotics	Guildford, UK
Overall GPA: 70.0/100.0 (Distinction)	
<b>University of Surrey</b>	<i>2021-2025 (Expected)</i>
PhD in Vision, Speech and Signal Processing	Guildford, UK
Supervisor: Prof. Wenwu Wang	

## PROJECTS EXPERIENCE

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<b>Automated Audio Captioning</b>	01/2021 - present
Developed an automated audio captioning system and attended the DCASE 2021 challenge, Task 6	
Improved the state-of-the-art performance of audio captioning system in many aspects	
<b>Deep Learning for Large-Scale Speaker Verification in the Wild</b>	11/2019 - 07/2020
Developed a speaker verification system in noisy and uncontrolled environment using deep learning techniques	
Analyzed traditional and state-of-the-art approaches in speaker recognition and verification, combined these methods in the system to improve the performance	
<b>Android Music Player</b>	01/2019 - 06/2019
Developed an Android Music Player with functions of music play, user management, music reviews, music recommendation and music downloading	
Applied Machine Learning techniques for the function of music recommendation	

## SUMMER SCHOOL

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<b>Trainee, Visual Computing Summer School</b>	07/2018
<i>Shenzhen University</i>	
Attended lectures about Computer Vision and Computer Graphics and discussed cutting-edge technology with famous professors	

## VOLUNTEERING ACTIVITIES

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<b>Teaching Assistant</b>	09/2017-06/2018
<i>Southwest Petroleum University</i>	
Demonstrated in the labs of the course Concise Prelude to Programming	

## TECHNICAL STRENGTHS

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<b>Programming</b>	Python, Matlab
<b>Typesetting Document</b>	Markdown, Latex
<b>Machine Learning</b>	Pytorch, Numpy