

Hanshi Sun

CONTACT INFORMATION	Building B3, Yancheng Ziwei International Plaza Yancheng, Jiangsu, China. 224000	<i>E-mail:</i> preminstrel@gmail.com <i>Mobile:</i> (+86) 153 1287 2389
RESEARCH INTERESTS	Machine learning and computer vision	
EDUCATION	Southeast University	Jiangsu, China
	Bachelor of Engineering in Electronic Science and Technology	Anticipated May 2023
	<ul style="list-style-type: none">• GPA: 3.98/4.0 Average Score: 93.8/100• <i>Related courses and grades:</i> Mathematical Analysis (99), Linear Algebra(98), Fundamentals of Computer Science(97), Python and Data Visualization(99), Data Structure and Algorithm(98), Neural Networks and Deep Learning(Coursera)	
RESEARCH EXPERIENCE	Research on Energy-efficient DNN Algorithm for ECG Classification <i>Dec 2020-Dec 2021</i> Project Member <ul style="list-style-type: none">• Data processing• Developed a CNN model using Pytorch; MIT-BIH Database is used to train and evaluate the model, resulting in an accuracy of 93.5%• Designed a new quantization compression method to compress the model using Adaptive Loss-aware Quantization algorithm for deployment on wearable devices• Published paper as first author Research on 3D Simulation System of Electron Beam Lithography <i>Dec 2020- Oct 2021</i> Project Member <ul style="list-style-type: none">• Developed an appropriate physical model• Simulated the scattering and energy distribution of electrons in photoresist and substrate with MATLAB Research on Medical Report Generation with Transformer <i>Dec 2021- now</i> Project Member <ul style="list-style-type: none">• Developed a GAN to achieve unpaired image-to-image translation• Object detection experience on medical images	
PUBLICATION	Hanshi Sun et al., Arrhythmia Classifier Using Convolutional Neural Network with Adaptive Loss-aware Multi-bit Networks Quantization	
SKILLS	Programming Languages: C/C++, Python, Java Languages: English (Fluent), Japanese (Conversational), Chinese (Native Speaker) Application Software: MATLAB, \LaTeX	
HONORS&AWARDS	<ul style="list-style-type: none">• Model Student in Academic Performance• Exemplary Individual of Innovation and Entrepreneurship• Scholarships: National Scholarship, Alumni Scholarship, Course Award	
LEADERSHIP	Member of Students' Union	<i>Jun 2019-May 2020</i>