Yunjie Wang

Contact Information

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Research Interests

My current research interests include **quantum information science** and **the physical implementation of quantum computers**

Education

University of Michigan, Ann Arbor, Ann Arbor, Michigan, USA

M.S., Electrical and Computer Engineering - Optics and Photonics, Present - August, 2019

University of Southern California, Los Angeles, California, USA

B.S., Electrical Engineering, May, 2019
Minor, Physics, May, 2019

Honors and Awards

University of Southern California: graduated Magna Cum Laude, Tau Beta Pi, Dean Lists

Academic Experience

University of Southern California, Los Angeles, California, USA

Undergraduate Capstone, Prof.Panayiotis Georgiou **January - May, 2019**

- This project classifies audio signals into 4 instrument categories. The main means of classification of these signals is feature extraction and probabilistic comparison.
- We used Mel filter banks on the logarithmic scale to generate three Gaussians to model our data.
- The program will output the essential parameters to the header file to finish the real-time classification on the digital signal processing board.

Undergraduate Research, Prof.Alice Parker **September - December, 2018**

- The final goal is to find the comprehensive mode on how neurons fires while hearing different kinds of music (Tool: Matlab Simulation)
- The current goal is building certain circuits models to differentiate the actual syncopation and the wrong nodes

Professional Experience

iFlytek Co., Ltd., Hefei, Anhui, China

Summer Intern **June, 2018 - August, 2018**

Transferred the needs from customers into an actual technical manual for computer engineers to implement (Far-Field Control Set-Up Box)

USC Solar Car Team, Los Angeles, California, USA

Member **October, 2016 - June, 2017**

Used Arduino board and other toolkits to detect the temperature of the cell and motor, also other features of the solar car

Computer Skills

- Languages: C/C++, Python, Matlab, Mathematica, LaTeX
- Operating Systems: Unix/Linux, Windows.