FANGZHOU YE

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EDUCATION

FuDan University *September 2018 - June 2022*

Bachelor of Quantum Technology. GPA: 3.54/4.0(Rank 1/34)

- Selected Honor & Awards: OOCL Scholarship, First class scholarship of FuDan University, Applied Physics scholarship, Silver medal in Kaggle competition, The First prize of China University Mathematics Competition
- Relevant Courses: Data Structure, Foundation of computer and database, Quantum Mechanics, Quantum Computation and Quantum Information

University of California San Diego *September 2022 - Present*

Master of Computer Engineering .

- Relevant Courses: Objected - Oriented Programming, Principles of Programming Languages, Statistical Learning

WORK EXPERIENCE

Research Assistant *Feb 2021 - Apr 2021*

University of Science and Technology of China Anhui, China

- Using **Python** to build an automatic error correction system , which bases on the statistical n-grams model, and some new features are added to improve the performance. The model can fix up to 85 percent text errors in test set provided by the lab.

Research Assistant *Aug 2021 - Feb 2022*

Chinese Academy of Science Peking, China

- Using **PyTorch** and **transfer learning** to build a system that can efficiently detect the scratches caused by the impact of high-energy particles on the high-energy particle detectors. Finally, the trained model can detect more than 90 percent of the scratches in practical use.

Web Developer *Mar 2022 - Jun 2022*

FuDan Physics Lab Shanghai, China

- Using **JavaScriptHTML5** and **CSS** to designed a web which can demonstrate and simulate the Quantum Zeno phenomenon. Users can interact with the page to set the relevant parameter. The aim of developing this page is to facilitate the teaching process of quantum mechanics in University.

PUBLICATION & PATENT

Ye F, Wang J, Li Z, et al. "Jane Street Stock prediction model based on LightGBM[C]," 2021 6th International Conference on Intelligent Computing and Signal Processing (ICSP). IEEE, 2021: 385-388.

SKILLS

Programming Languages: Python , JavaScript ,Haskell, C , FORTRAN , Labview