

Jinhui Hu

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EDUCATION

Science College, Xi'an Jiaotong University (XJTU) Xi'an, China | 09/2015-06/2019

- Major: Physics (**Honors Science Program**) GPA:84/100
- Degree: Bachelor of Science
- Courses: Electromagnetism, Quantum Mechanics, Electrodynamics, Statistical Physics, Experimental Physics

University of Alberta Canada | 07/2018-08/2018

- International Undergraduate Summer Enrichment Program in Mathematics
- Lectures: An Introduction to Wavelets and its Applications, Statistical Machine Learn, Conformal Field Theory
- Group Projects: Wavelets for image processing/ computer graphics, Statistical machine learning, Flight formation of drones

RESEARCH EXPERIENCE

Three-Dimensional Image Modeling (Driverless Vehicle) 04/2018-present

Advisor: A.P. Ping Wei

- Joined Ping Wei scientific research training team, began to analyze three-dimensional image modeling
- Studied related documents and tried repetition code

Quantum Neural Network 08/2018

Advisor: Dr. Ying Li

- Studied related documents on random kitchen sink and quantum kitchen sink, tried the algorithms in those documents
- Tried to realize quantum kitchen sink under noise environment
- Compared the differences between QKS and ordinary quantum neural network, explored the possible applications of QKS

Satellite Data Processing & The Study and Improvement of GAN Algorithm 03/2017-09/2017

Advisor: A.P. Chao Shen

- Studied CS229 course of Stanford University, acquired knowledge about machine learning and deep learning
- Learnt Generative Adversarial Network deeply, mainly through related documents on HowNet
- Utilized artificial intelligence to process and analyze the scientific research task of satellite broad & narrow band signal
- Comprehended basic measure of data-processing and artificial intelligence

COMPETITION

WeChat Applet Competition 03/2018-07/2018

- Planned a online management system named "Shenyang Book Association"
- Built up and optimized the books management, activities enquiry, personal information, membership and administrator sections in the online management system
- Wrote a document to introduce the function and purpose of this applet
- Recorded and uploaded the demonstration video

Campus Mathematical Modeling Competition 03/2018-06/2018

- Studied on wireless backhaul and topology planning
- Planned algorithms and wrote the program, assisted in the completion of the thesis and oral defense

China Undergraduate Physics Tournament 10/2015-07/2016

- Prepared for theoretical and experimental demonstration of different academic topics, such as: paper pliers, the generation of water wave, the flickering flame
- Cooperated with team members and went through selective trail, simulation game and contest on campus, then took part in provincial-level competition

AWARDS & HONORS

- Third Prize in Northwest Division -WeChat Applet Competition 07/2018
- Zhufeng Scholarship -XJTU 06/2018
- Second Prize of Mathematical Modeling -XJTU 06/2018
- Siyuan Scholarship -XJTU 12/2017
- Siyuan Scholarship -XJTU 12/2016
- Provincial-Level Special Award -China Undergraduate Physics Tournament 07/2016

EXTRACURRICULAR EXPERIENCE

Shenyang Book Association XJTU | 09/2015-06/2018

Chief Technology Officer

- Took responsibility of publicity and technology
- Built book lending system and books management system

SKILLS & HOBBIES

Skills: C, C++, Python, JavaScript, Matlab, SQL

Hobbies: Reading, Fitness, Badminton