Jinhui Hu

Email: hujinhuihjh@126.com | **Tel:** +86-15691738612 | **Github:** https://github.com/Kurtis-P

Add: Xi'an Jiaotong University, No.28, Xianning West Road, Beilin District, Xi'an, China, 710075

EDUCATION

Science College, Xi'an Jiaotong University（XJTU） — Xi'an, China | 08/2015-07/2019

- Major: Physics **(Honors Science Program)** — GPA:84/100 | Top 5%
- Degree: Bachelor of Science
- Courses: Electromagnetism, Quantum Mechanics, Electrodynamics, Statistical Physics, Experimental Physics, etc.

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, etc.
- Group Project: Wavelets and Their Applications in Image Inpainting

RESEARCH EXPERIENCE

The Comparative Study of Recommendation Algorithm and SVD Algorithm — 12/2018-present

Advisor: Prof. Hefeng Wang

- Studied related documents on quantum recommendation algorithm and other classical recommendation algorithms derived from it
- Explored the applications of recommendation algorithms and SVD algorithms in machine learning
- Communicated with the advisor on the specific research field

Quantum Neural Network — 08/2018

Advisor: Dr. Ying Li

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

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

Building the Function of English Study Based on WeChat Official Accounts Platform — 03/2018-06/2018

Advisor: Prof. Yingliang Zhao

- Analyzed and summarized superiorities and drawbacks of different server
- Chose WeChat Official Accounts Platform and Sina App Engine for the convenience of users
- Realized the regular push function and associated keywords with related contents

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

Advisor: Prof. Chao Shen

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

COMPETITION

WeChat Applet Competition — 03/2018-07/2018

- Planned an online management system named "Shenyang Book Association"
- Built up and optimized the books management, activities inquiry, 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 a water wave, the flickering flame
- Cooperated with team members and went through the selective trail, simulation game and contest on campus, then took part in the 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 for publicity and technology
- Built book lending system and books management system

SKILLS & HOBBIES
Skills: C, C++, Python, JavaScript, Matlab, SQL, Advanced Google Analytics

Language: English (Fluent), Mandarin (Native)

Hobbies: Reading, Fitness, Badminton