MONANA HE

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Xi'an JiaoTong University (XJTU)

Major in Electronic and Information Engineering | 2018 new graduates

COMPETITION

2015.5 XJTU Entrepreneurship Practice Competition **Silver Award**

Entries: Internet Finance Practice | overall responsibility

2016.4 XJTU Competition of Challenge Cup **Bronze Award**

Entries: Eyes Cloud Intelligence Vision Technology | overall responsibility

EXPERIENCES

Jun. 2017 – July. 2017 | Research Assistant at College of Business in City University of Hong Kong, research in Quantitative Investment.

May. 2017 – Jun. 2017 | Intern in futures group at GuanTian Capital, the biggest PE in Xi'an City, in charge of Auto-trading system software and futures trading strategy development based on machine learning.

Apr. 2016 – May. 2017 | Research intern at Institute of Artificial Intelligence and Robotics, research in Computer Vision and Deep Learning, supervised by Xuguang Lan.

CAPACITY

Currently Practice in an Institute of Artificial Intelligence and Robotics of Xi'an Jiao Tong University
Research interested in: Machine learning, Quantitative investment, Nature Language Processing
Skills in Programming: Python, C/C++, C#, Linux, SQL,
Skills in Graphic Design and 3D modeling: Photoshop, Illustrator, Unity
Able to communicate and write fluently in English, enthusiastic to learn, skilled in programming

PROJECT

[FINANCIAL DATA] Natural Language Processing and Quantitative Analysis | June, 2017

Cooperated with Study Group from City University of Hong Kong. Make a deep analysis through Chinese financial websites Xueqiu.com. Use Python and JavaScript crawlers to get related data, including daily news, articles, commentaries, website celebrities with many fans, portfolios with high attention. Use Nature language processing and financial technic to analyze. Build multi-factor selected units strategy for Investment Company.

[BIOSTATISTICS] Genome-wide association Studies based on Machine learning | March, 2017

we developed a pipeline named functional disease-associated SNPs prediction (FDSP), to identify novel susceptibility loci for complex diseases based on the interpretation of the functional features for known disease-associated variants with machine learning. Paper is upcoming submission.

[PAPER] Ziqiang Ren ; Monan He. A Fuzzy Password Inference Method Based on Wearable Smart Devices Data Analysis, ACM, submitted, April, 2017

The wearable smart devices are typically worn by the user's hand, so they have sufficient capacity to detect the movement of the user's hand. We proposed an automatic retry algorithm to study obtaining password methods, including weak classifiers and integrated classifiers, as well as deep neural networks.

CLUB ACTIVITIES

Assumed as Minister of XJTU Microsoft Student Club in 2015-2016

Assumed as hostess for Microsoft AI national-tour lecture in Xi'an Station 2017; Helped Organizing National College Hackthon Programming Contest, Microsoft Research Asia 2015 Summer Camp in Xi'an Station,

HONOR

Awarded "Outstanding Student" of undergraduates College in Xi'an JiaoTong University in 2016, 2017