YYCHI FYU

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EDUCATION

ShanghaiTech University, Shanghai, China   **Sept. 2017 – Jul. 2020**

M.S. Candidate, Information and Communication Engineering, GPA 3.53/4.0

Research interest: Machine Learning, Information Theory

Wuhan University of Technology, Wuhan, China   **Sept. 2013 – Jun. 2017**

B.S., Information and Computing Science, GPA 3.72/5.0, Rankings 1/43

PROJECTS

Semi-supervised InfoGAN (under research)   **Feb. 2019 – Present**

Based on [paper1] and [paper2], investigated the effect of the input noise, and tried to interpret the parameters and the model, from the perspective of information theory.

Gene Expression Prediction   **Oct. 2018 – Jan. 2019**

Based on [paper], reproduced the main works. Extract histone modifications from biological big data, train with CNN to predict gene expression. Also wrote some python and shell scripts for data preprocessing.

Insurance Market Prediction   **May 2018**

Using SVM to analyze the insurance company's history business, trying to predict customers who have insurance intentions, so as to maximize company profits.

INTERNSHIP

ShengQu Games Inc. Shanghai   **Jul. 2019 – Sept. 2019**

Dept. Server Engine, Game Development Ability to write basic network program with Asio, encapsulate custom message with Protobuf, build tasks automatically with Cmake. Also learned about the Unix Network API, basic socket programming.

ShengQu Games Inc. Shanghai   **Jul. 2019 – Sept. 2019**

WanYan Asset Co., Ltd. Shanghai   **Summer 2019**

Software Development Learned about the working mechanism of the CTP (Comprehensive Trading Platform), and data acquisition through its API. Try to use the Huobi API to get the market data and convert it to the format as needed.

SKILLS

- Familiar with common algorithms and data structures such as linked lists, stacks and queues, trees, heaps etc.
- Familiar with C++ basics, familiar with STL, such as sequential containers, generic algorithms.
- Familiar with common machine learning algorithms such as SVM, logistic regression, neural networks, decision trees, KNN, K-Means etc.
- Familiar with common shell commands, more than 3 years of Linux experience.
- English CET-6, good reading and communication skills.

MISCELLANEOUS

- ShanghaiTech SSIST 2018 International Conference Volunteer {Jul. 2018}
- SI140 Probability and Statistics Teaching Assistant {Fall 2017}
- 3rd Prize, Central China University Mathematical Modeling Invitational Competition {May 2015}
- National Inspirational Scholarship {2014, 2015}