Yuchen Han (Hans)

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Hefei City, Anhui Province

Birthdate: 1999-07 | Male

EDUCATION

Anhui University   Sep 2017 - Jul 2021

Computer Science and Technology Bachelor   Hefei

- **GPA**: 3.94 / 5.0 | **Rank**: 9/135 (Top 6.7%) | **English**: Passed CET-6
- **Honors/Awards**: Pacemaker to Merit Student (Top 1%, 2019), Excellent Student Scholarship (Top 2%, 2019), National Encouragement Scholarship (2018)
- **Relevant Coursework**: Advanced Language Programming (98), Data Structures (96), Operating Systems (91), Principles of Database Systems (94), Probability Theory and Mathematical Statistics (99)

RESEARCH EXPERIENCE

Amazon Chess Game Program: Star Hans   Sep 2018 - Oct 2019

The program was runner-up in provincial competitions

- Designed an efficient board structure, move-method generator and evaluation function according to the characteristics of Amazon chess game
- Studied and compared two search algorithms of UCT and α-β pruning, and finally designed the α-β pruning algorithm which can intelligently select the depth of search

Competition Paper: No driving in plastic   Jan 2020 - Feb 2020

Mathematical Contest In Modeling Meritorious Winner

- As team leader, division of labor, keep track of progress, and in charge of programming and modeling
- Modeled for disposable plastic products and environmental related issues. Established an evaluation model which combining subjective and objective, and a linear programming model. Proposed an innovative double-layer network model for linear programming without quantitative constraints to quantify their constraints

Knowledge Graph-Based Recommender Systems   Sep 2019 - Present

Student Research and Training Plan

- Learned the main algorithms, difficulties, and related data sets of recommendation system; understood the history, existing forms of Knowledge Graph, and some actual knowledge graphs; supplemented the foundation of machine learning, completed Meachine Learning and Deep Learning course of Andrew
- Read a lot of literature and studied the code of several classic literatures like DKN, CKE, MKR, etc. in detail. Understanding main methods of using knowledge graph to optimization recommendation system

MISCELLANEOUS

- **Student Works:** Study Secretary (2017 - 2018), Student Union Officer (2017 - 2018), Monitor and Publicity Secretary (2018 - Present)
- **Skills:** Python (Proficient), Matlab (Proficient), C/C++ (Proficient), Numpy (Proficient), Office (Proficient), OpenCV (Basic) , PyTorch (Basic)
- **Research Interests:** Natural Language Processing, Computer Vision, Recommendation System