

Jiaju Chen

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No.96, JinZhai Road Baohe District, Hefei, Anhui, 230026, P.R.China.

Education

University of Science and Technology of China (USTC), Hefei, Anhui, China Sep 2019 – July 2023

Bachelor's of Science in Data Science (expected in July 2023)

- **GPA (overall): 3.85/4.3, GPA (major): 3.89/4.3, ranking: 3/40**
- **Relevant Coursework:** Mathematical Analysis (93/100), Linear Algebra (90/100), Databases (93/100), Artificial Intelligence (95/100), Data Analysis (91/100), Stochastic Processes (93/100), Discrete Mathematics (90/100)
- **Scholarships:** "Guanghua" Education Scholarship in USTC 2021, Talent Student Bronze Scholarship in USTC 2020

Research Experiences

User-controllable diversified Recommender Systems Aug 2021 – Present

Advisor Professor: **Xiangnan HE** (Professor of Data Science, USTC)

- Employed causal inference on GCN framework of the recommender system, using reinforcement learning methods to enhance diversity and add hyper parameters for users to control the recommender system
- Employed baseline models, such as FM, other GCN models, sequential models, reranking models to corroborate the outstanding performance of our model

Platform of Short Videos June 2021 – July 2021

Advisor Professor: **Lanfang Dong** (Professor of Computer Science and Technology, University of Science and Technology of China)

- Constructed a platform with a database of short videos, similar to that of TikTok, enabling users to upload, download, and comment on videos; added following and chatting functionalities later on
- Devised visualized logins, interactions, and uploading and downloading interfaces for the system

Research on Soft Robots Sep 2019 – May 2020

Advisor Professor: **Erbao Dong** (Professor of Engineering Science, University of Science and Technology of China)

- Conducted comprehensive research on classification, driving modes, and controlling of structures
- Crafted a design of a new type of reconnaissance robot, one that is air-driven and made of consecutive air cells

Skills & Interests

Programming Languages: Adept in C++, MATLAB, Python

Toolkits: PyTorch, TensorFlow, Keras, openCV, LaTeX

Languages: iBT TOEFL Test (96)

Leadership & Activities

Class Committee | Committee of Safety Aug 2020 – Present

- Organizing notable class tours
- Presented issues related to safety to students

Volunteer Team of School of the Gifted Young | Member Aug 2020 – Present

- Gave in-depth presentations to nearby communities to help popularize scientific theories
- **Extracurricular Interests:** Basketball, Bamboo Flute, Swimming