

Chen Minghao

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EDUCATION

Jilin University

Changchun, China

B.Sc. in Computer Science and Technology; GPA: 3.94/4.00, Average: 94/100

Sep 2021 – Present

Relevant Coursework: Linear Algebra, Mathematical Analysis, Integrated Programming, Object Oriented Programming Design, Machine Learning and Python, Database System Principle, Operating System

AWARDS & ACHIEVEMENTS

The ICPC International Collegiate Programming Contest Regional: Gold Medal

The ICPC Asia East Continent Final Contest: Silver Medal

China Collegiate Programming Contest Regional: Gold Medal

Northeastern China Collegiate Programming Contest: Champion

International Genetically Engineered Machine (iGEM) Competition: Silver Medal

China National Scholarship: CNY 8000 (top 0.2% in China)

UNIQLO Scholarship: CNY 8000, a fully-funded one-week visit to UNIQLO, Tokyo (16 recipients per year in China)

RESEARCH EXPERIENCE

School of Computer Science and Technology, Jilin University

Changchun, China

Undergraduate Research Assistant

Apr 2022 – Jun 2023

- Studied computer vision under the mentorship of research advisors, focusing on Multi-Object Tracking (MOT) in densely populated urban traffic scenarios. Gained expertise through academic papers review and code analysis.
- Contributed to the recording and processing of datasets for underwater object tracking using Event Cameras. Assisted in data collection, annotation, and preprocessing.

Gaoling School of Artificial Intelligence, Renmin University of China

Beijing, China

Research Internship

Aug 2023 – Dec 2023

- Systematically studied Natural Language Processing (NLP), covering neural networks to large language models.
- Focused on advancing the capabilities of large language models, particularly in the areas of text-to-SQL, KGQA, and table-QA applications.
- Utilized the Llama large language model to attain cutting-edge performance in the text-to-SQL domain. Specifically, outperformed the previous state-of-the-art (SOTA) on the SPIDER dataset.

School of Artificial Intelligence, Jilin University

Changchun, China

Undergraduate Research Assistant

Jan 2024 – Present

- Concentrated on development and enhancement of motion prediction and multi-agent simulation models tailored for urban vehicle scenarios.
- Participated in weekly group meetings, engaging in learning sessions and discussions focused on traffic and logistics trajectory prediction, completion, and generation.
- Attended biweekly in joint group meetings between Jilin University and the University of Tokyo, learning from graduate students' presentations on cutting-edge academic papers.

CERTIFICATES

Japanese-Language Proficiency Test (JLPT) N1: *Score of 150/180*

Test of Practical Japanese (J.TEST) A-C: *Score of 820/1000*

Test of English as a Foreign Language (TOEFL) iBT: *Score of 98/120*

College English Test Band 6 (CET-6): *Score of 602/710*

SKILLS

Languages: Chinese (Native), Japanese (Fluent), English (Fluent)

Programming Languages: C/C++, Java, Python, JavaScript, SQL, Verilog, LATEX

Technologies: PyTorch, TensorFlow, OpenCV, Scikit-learn, Matplotlib, Git, MySQL, SQLite, Node.js, Vue.js, Docker