

Chen Minghao

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EDUCATION

Jilin University

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

Changchun, China

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 Contest Final: Silver Medal

China Collegiate Programming Contest: 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

Gaoling School of Artificial Intelligence, Renmin University of China

Research Internship

Beijing, China

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

Undergraduate Research Assistant

Changchun, China

Jan 2024 – Present

- Concentrated on development and enhancement of spatiotemporal data-driven traffic models tailored for motion prediction and multi-agent simulation.
- 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.

Research & Development Division, LocationMind Inc.

Research Internship

Tokyo, Japan

Aug 2024 – Oct 2024

- Focused on designing trajectory prediction algorithms for ship interaction avoidance.
- Developed algorithms for urban flow prediction, targeting pedestrian, bicycle and vehicle traffic in major Japanese cities including Tokyo, Osaka, Nagoya, and Shizuoka.

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*

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