

# Chen Minghao

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## EDUCATION

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### 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

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**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

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### 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 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.

## CERTIFICATES

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**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

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**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