

# Chen Minghao

☎ +86 135 8756 7336 | ✉ paulliantchen@gmail.com | 🌐 GitHub | 📍 Changchun, China

## 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

*Jul 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