

Wang Yusheng

name: Eason Wang birthday: 2000/1/3
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mail: w_y_s_710302970@163.com Project Focus: Project Technical Management
grade: Currently pursuing Master's degree Research Direction: Data Mining, Deep Learning



EDUCATION

Shandong University of Technology Transportation: Intelligent Transportation, Traffic Safety, Control Theory, etc B.Eng
Shanghai University of Engineering Science Transportation Engineering: Traffic Planning and Design, Safety Technology, etc M.Eng

PROFESSIONAL EXPERIENCE

Shanghai Bayesian Health Technology Co., Ltd. (December 2023 - Present) Algorithm Engineering Intern

- **Web Scarping** Utilize libraries like Selenium to simulate web browsing and scrape thousands of real medical cases from websites. Develop scripts to extract and clean data into standardized text format.
- **Deploying CN LLM** Deploying large-scale Chinese models like "Qwen" to achieve semantic understanding, analysis, segmentation, and Named Entity Recognition (NER) on scraped medical cases
- **Training/Optimization** Feeding, distributed training, fine-tuning, and quantization of training data for large semantic models. Analyzed and optimized to achieve minimal GPU memory consumption.

PROJECT EXPERIENCE

Driver Fatigue Detection Smart Bracelet Development Project (Participatory Research)

- Analyzed product requirements, facilitated design changes in data flow and interactions. Conducted problem analysis during software development and testing, liaised with UI team and hardware manufacturers for data functionality debugging.
 - ◆(CN)"A Multifunctional Smart Bracelet for Alleviating Rail Transit Driver Fatigue - Utility Model Patent" (Granted)
 - ◆(CN)"A Method and System for Eliminating Individual Variability in Driver Fatigue Monitoring - Invention Patent" (Under Examination)

Road Traffic Safety Key Laboratory Open Research Project (Participatory Research)

- Designing driver behavior causal factor experiments, conducting data collection and cleaning, and uncovering data patterns and trends. Drafting experimental designs and data collection procedures, as well as detailing the data mining process.

National Natural Science Foundation Project (Key Research)

- By integrating theories from various disciplines such as safety science, behavioral science, sociology, and psychology, we analyze and research safety behavior factors when facing intelligent, autonomous driving systems.
 - ◆"The Relationship between Subway Driver Cognitive Abilities and Workload Structure", SCD, Published. First Author
 - ◆"Time-varying analysis of mental fatigue of metro drivers based on multimodal data, including mood", SCI, under review Corresponding/First Author
 - ◆"Assessment of multiple mental fatigue states of drivers based on convolutional recurrent neural networks", SCI, under review Corresponding/First Author
 - ◆(CN)"A System for Real-Time Employee Fatigue Monitoring Based on Electroencephalogram Signals" (Under Review) Primary Inventor(s)
 - ◆(CN)"A Method for Assessing Safety Behavior Based on Workload and Performance under Time Pressure" (Under Review) Inventor(s)

Establishment of Competency Model for Electromechanical Equipment Positions at Shanghai Metro Line 2 Operations Company (Project Leader)

- Managed project delivery, clarified duties, built competency profiles. Developed MATLAB scripts for competency models, compiled questionnaires, summarized materials.

Shanghai Maglev Transportation Company Train Driver Comprehensive Skills Enhancement Project (Project Leader)

- Managed project process, team coordination, site organization, scheduling, personnel arrangement, procurement, budgeting, financial reporting. Utilized VTS, Max Pulse for driver analysis.

Nanning Metro Network Control Center Consultation Project (Project Leader)

- Managed the entire project process, including contract submission, coordination with the consulting center, scheduling personnel, preparing materials, budgeting costs, financial reporting, satisfaction analysis, compiling reports, and successfully closing the project.

SKILL

Computer Skills Proficient in **Office**, **Python**, **SPSS**, **Origin**, and **Tableau**. Familiar with web development (**HTML**, **CSS**, **JS**), and capable of inspecting and modifying **C++** and **MATLAB** code.

Knowledgeable in **TensorFlow** and **PyTorch** frameworks and their usage.

Capable of using basic **MySQL** commands and common **Linux** commands.

Language Proficiency CET-6(500+), Proficient in reading various types of English literature and capable of drafting academic papers

CAMPUS PRACTICE

Winter Camp at Sungkyunkwan University (QS: 97): Successfully completed the winter learning training camp and obtained credits and grades through the final examination. 2020.02-2020.03

Vice President of the Cantonese Language Society: Developing daily activity plans, organizing events, managing finances, and coordinating and overseeing members. 2022.10-2023.06

Awards

- National-level University Student Innovation and Entrepreneurship Competition in 2022 (Thesis Achievement)
- Received "Graduate Academic Scholarship First/Second Prize" in 2022 and 2023.

Considering the timeliness of the resume 😊, for further updates, you can visit my personal website (<https://linkeusen.github.io/>)

