

Dongheng Lin

✉ rathgrithpache@gmail.com | 🌐 rathgrith.github.io/ | 🌐 Rathgrith | 🐦 @rath6406135287

Education

University of Illinois at Urbana Champaign

Illinois, United States

MEENG COMPUTER ENGINEERING, GPA: 3.94/4.0

Aug. 2023 – Dec. 2024

- **Selected Coursework:** CS 543 Computer Vision (A), CS410 Text Information System (A+), etc.

University of Liverpool & Xi'an Jiaotong-Liverpool University

Liverpool, United Kingdom

BSc (HONS) INFORMATION AND COMPUTING SCIENCE, GPA WES GPA: 3.91/4.0, RANKED: 6/295

Sep. 2019 – Jun. 2023

• Honours:

- Graduated with a First-Class distinction degree.
- 2022-2023 University Academic Excellence Award — *Scholarship Fund for top 5% students*

• Qualifications:

- GRE: 323/340 — *Verbal: 157, Quantitative: 166*
- IELTS Band Score 8 — *Listening 8, Reading 8.5, Speaking 8, Writing 7*

Publications

A Unified Reasoning Framework for Holistic Zero-Shot Video Anomaly Analysis

San Diego, USA

NEURIPS 2025

- Dongheng Lin, Mengxue Qu, Kunyang Han, Jianbo Jiao, Xiaojie Jin, Yunchao Wei. Available at: <https://openreview.net/pdf?id=f1MYOG4iDG>.

What Time Tells Us? An Explorative Study of Time Awareness Learned from Static Images

Openreview

TMLR 2025

- Dongheng Lin*, Han Hu*, Jianbo Jiao. Available at: <https://openreview.net/pdf?id=f1MYOG4iDG>.

Work Experience

Allsee Technology Co., Ltd.

Birmingham, UK

SOFTWARE/RESEARCH ENGINEER

Aug. 2025 - Now

- Work as a software engineer contributing on the company Enterprise Resource Planning (ERP) system and customer Content Management System.
- Also leads a research project jointly funded by *Allsee Technologies* and *University of Birmingham* on video analysis and multimodality.
- Tech stack: AWS, FastAPI, Docker.

Beijing Jiaotong University

Remote

RESEARCH INTERN

Jan 2025 - July 2025

- Worked as a research intern under supervision of Prof. Yunchao Wei.
- The primary topic of the research is about cockpit vision intelligence for advanced vehicle.
- This internship yielded a NeurIPS paper on zero-shot anomaly analysis. In addition to this, we also built a new dataset (Ongoing).

The Mlx Group, University of Birmingham

Remote

RESEARCH INTERN

Dec. 2023 - Jul. 2025

- Worked under the supervision of Prof. Jianbo Jiao, with a focus on metadata-aware feature engineering and representation learning.
- This internship yielded a TMLR paper on time-awareness learnt from static images.

Wensi Haihui Information Technology Co., Ltd. (Pactera)

Wuxi, China

BACK-END INTERN (FULL-TIME)

Jun. 2021 - Sep. 2021

- Worked as a full-stack developer in a collaborative team, contributing to both front-end and back-end development.
- Tech stack: Stringboot, Vue.js, MySQL.

Skills

Programming Java, C++, JavaScript, HTML, CSS, MySQL, Python, C#, LaTeX, Golang

Miscellaneous Linux, Shell (Bash/Zsh), Android, Unity(VR), Git, PyTorch, SpringBoot, OpenGL, Vue.js, ProtoBuf, Docker, nginx, AWS, FastAPI