

Dongheng Lin

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Education

University of Birmingham

PH.D. COMPUTER SCIENCE

West Midlands, United Kingdom

Jan. 2026 - Now

University of Illinois at Urbana Champaign

MENG COMPUTER ENGINEERING, GPA: 3.94/4.0

Illinois, United States

Aug. 2023 - Dec. 2024

University of Liverpool & Xi'an Jiaotong-Liverpool University

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

Liverpool, United Kingdom

Sep. 2019 - Jun. 2023

Selected 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>.

Audio-Visual Separation with Hierarchical Fusion and Representation Alignment

Sheffield, UK

BMVC 2025

- Han Hu^{*}, **Dongheng Lin**^{*}, Qiming Huang, Yuqi Hou, Hyung Jin Chang, Jianbo Jiao, Available at: <https://arxiv.org/abs/2510.07326>.

A Saliency-Based Poisoning Selection Strategy for Selecting Backdoor Attack Victims

Yokohama, Japan

IJCNN 2024

- Zihan Lyu^{*}, **Dongheng Lin**^{*}, Shengkai Sun, Ruiming Zhang, Jie Zhang[†]. Available at: <https://ieeexplore.ieee.org/document/10650242>.

Work Experience

Institute of Information Science, Beijing Jiaotong University

Remote

RESEARCH ASSISTANT

Jan. 2025 - Jul. 2025

- Worked as a research assistant under supervision of Prof. Yunchao Wei.
- The primary topic of the research is about cockpit vision intelligence for advanced vehicle. This project is sponsored by National Natural Science Foundation of China (No.92470203), Beijing Natural Science Foundation (No.L242022), the Fundamental Research Funds for the Central Universities (2024XKRC082).
- This internship yielded a NeurIPS paper on zero-shot video anomaly analysis.

The Mix Group, University of Birmingham

Remote

RESEARCH INTERN

Dec. 2023 - Apr. 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.

Pactera Information Technology Co., Ltd.

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: Spring Boot, Vue.js, MySQL.

Services & Awards

Services

- Invited Reviewer: CVPR, ECCV, BMVC, WCCI
- Industrial Judge: UKFinnovator 2025

Awards

- NeurIPS 2025 Scholar Award (Financial Travel Award)
- EPSRC Doctoral Landscape Award (University Scholarship)