Chengdong "Black" SUN

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EDUCATION

- **Aarhus University** *Aug 2024 - Jul 2026*
*MSc in Computer Science (Focus Area in **Human-Computer Interaction** and **Ubiquitous Computing**)* Aarhus, Denmark
  ◦ *Award:* Danish State Scholarship

- **National University of Singapore** *May 2023 - Jul 2023*
Summer School, Web Mining Singapore

- **Harbin Institue of Technology, Shenzhen** *Sep 2020 - Jul 2024*
BEng in Computer Science and Technology Shenzhen, China

RESEARCH INTERESTS

My research interests lie at the intersection of **Health** and **Social Computing**, with a focus on developing technologies that enhance individual health and well-being. I am also passionate about analyzing data from digital platforms to gain insights into how technology reflects and shapes specific communities.

RESEARCH EXPERIENCE

- **Blended Realities Lab, Aarhus University [🌐]** *June 2025 - Present*
Research Intern, supervised by Assistant Prof. Jens Emil Grønbæk and Associate Prof. Eve Hoggan Aarhus, Denmark
- **AI4SG Lab, National University of Singapore [🌐]** *May 2025 - Present*
Research Intern, supervised by Assistant Prof. Yi-Chieh Lee Remote
- **Interactive Matter Lab, Aarhus University [🌐]** *Nov 2024 - Apr 2025*
Research Intern, supervised by Assistant Prof. Michael Wessely Aarhus, Denmark
- **ai{DEAL} Studio, Southern University of Science and Technology [🌐]** *Oct 2023 - Dec 2024*
Research Assistant, supervised by Assistant Prof. Pengcheng An Shenzhen, China

PEER-REVIEWED FULL PAPERS
C=CONFERENCE, *=EQUAL CONTRIBUTION

[C.2] **Breaking Barriers or Building Dependency? Exploring Team-LLM Collaboration in AI-infused Classroom Debate**.
Zihan Zhang*, **Black Sun***, Pengcheng An.
In Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI '25).

[C.1] (🏆 Best Student Paper) **NeuroFetalNet: Advancing Remote Electronic Fetal Monitoring with a New Dataset and Comparative Analysis of FHR and UCP Impact**.
Black Sun, Jiaqi Zhao, Xinrong Miao, Yanqiao Wu, Min Fang.
In Proceedings of the IEEE International Conference on Digital Health (ICDH '24).

PEER-REVIEWED EXTENDED ABSTRACTS
*=EQUAL CONTRIBUTION

[EA.3] (accepted) **CTG-Insight: A Multi-Agent Interpretable LLM Framework for Cardiotocography Analysis and Classification**.
Black Sun, Die (Delia) Hu.
In Companion of the ACM International Joint Conference on Pervasive and Ubiquitous Computing (Ubicomp Companion '25) WellComp 2025.

[EA.2] (accepted) **Exploring the Effects of AI Nonverbal Emotional Cues on Human Decision Certainty in Moral Dilemmas**.
Chenyi Zhang, Zhenhao Zhang, Wei Zhang, Tian Zeng, **Black Sun**, Jian Zhao, Pengcheng An.
In Companion of the ACM International Joint Conference on Pervasive and Ubiquitous Computing (Ubicomp Companion '25) Poster.

[EA.1] **MultiSurf-GPT: Facilitating Context-Aware Reasoning with Large-Scale Language Models for Multimodal Surface Sensing**.
Yongquan Hu, **Black Sun**, Pengcheng An, Zhuying Li, Wen Hu, Aaron J Quigley.
In Adjunct Proceedings of the International Conference on Mobile Human-Computer Interaction (MobileHCI '24 Adjunct) Late-Breaking Work.

HONORS AND AWARDS

- **Student Travel Fund (Studenterrejsepuljen), Aarhus University** *Sep 2025*
- **Danish State Scholarship*1** *Aug 2024*
- **ICDH '24 Best Student Paper** *Jul 2024*
- **China College Students' Innovation and Entrepreneurship Project (National Level, Top 5%)** *Jun 2024*

ACADEMIC SERVICE

- **Reviewer:** IJCNN '24, CSCW '25 Poster
- **Student Volunteer:** Ubicomp '25