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

- **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.

> *It has become appallingly obvious that our technology has exceeded our humanity.*
>
> — **Albert Einstein**

RESEARCH EXPERIENCE

- **Human Augmentation and Collaboration Group, Aalborg University [🌐]** *Jan 2026 - Present*
  Master's Thesis Student, supervised by Asst. Prof. Carla Florencia Griggio and Assoc. Prof. Eve Hoggan — Denmark

- **Blended Realities Lab, Aarhus University [🌐]** *Jun 2025 - Jan 2026*
  Research Intern, supervised by Asst. Prof. Jens Emil Grønbæk and Assoc. Prof. Eve Hoggan — Aarhus, Denmark

- **AI4SG Lab, National University of Singapore [🌐]** *May 2025 - Jan 2026*
  Research Intern, supervised by Asst. Prof. Yi-Chieh Lee — Remote

- **Interactive Matter Lab, Aarhus University [🌐]** *Nov 2024 - Apr 2025*
  Research Intern, supervised by Asst. Prof. Michael Wessely — Aarhus, Denmark

- **ai{DEAL} Studio, Southern University of Science and Technology [🌐]** *Oct 2023 - Dec 2024*
  Research Assistant, supervised by Asst. Prof. Pengcheng An — Shenzhen, China

PEER-REVIEWED PUBLICATIONS
C=CONFERENCE, *=EQUAL CONTRIBUTION

[C.3] (accepted) **Understanding Older Adults' Experiences of Support, Concerns, and Risks from Kinship-Role AI-Generated Influencers**.
Tianqi Song, **Black Sun**, Jingshu Li, Han Li, Chi-Lan Yang, Yijia Xu, Yi-Chieh Lee.
In Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI '26).

[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).

LIGHTLY REVIEWED PUBLICATIONS
EA=EXTENDED ABSTRACT

[EA.4] (accepted) **Visual Storytelling Beyond the Human: Co-Creation, Culture, and Futures**.
Ze Gao, Mengyao Guo, Jinda Han, **Black Sun**, Kexin Nie, Yiran Zhang.
In Extended Abstracts of the ACM Conference on Human Factors in Computing Systems (CHI EA '26).

[EA.3] **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] **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, <u>**Black Sun**</u>, 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

• **SIGCHI - Gary Marsden Travel Award**	*Feb 2026*
• **Student Travel Fund (Studenterrejsepuljen)*1**	*Sep 2025*
• **Danish State Scholarship*1, Aarhus University (2/427, Top 0.5%)**	*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:** DIS '26, CHI '26 Poster, ICHEC (ChineseCHI) '25, CSCW '25 Poster, IJCNN '24
- **Student Volunteer:** UbiComp '25