Qiushi Zhou

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REFERENCES

Hans Gellersen	hwg@cs.au.dk
Ken Pfeuffer	ken@cs.au.dk
Eduardo Velloso	eduardo.velloso@sydney.edu.au
Jorge Goncalves	jorge.goncalves@unimelb.edu.au

ACADEMIC WORK EXPERIENCE

Department of Computer Science
Aarhus University — Aarhus, Denmark
Postdoctoral Fellow (Funded by Danish Pioneering Centre for Artificial Intelligence) — Mar, 2024 − Present
Exploring novel eye-hand interaction techniques for Extended Reality (XR).

School of Computing and Information Systems
The University of Melbourne — Melbourne, Australia
Research Fellow (Funded by Meta Reality Labs) — Jun, 2022 − Nov, 2023
Leading a collaborative research project with Meta Reality Labs on adaptive augmented reality interface.
Developing an audio-visual art installation using a mixed reality mirror to discuss the alienating gaze of AI.

TEACHING EXPERIENCE

Aarhus University — Aarhus, Denmark
Lecturer (Augmented Reality) — 2025
University of Sydney — Sydney, Australia
Guest Lecturer (Human-Computer Interaction, Usability Engineering) — 2023
The University of Melbourne — Melbourne, Australia
Guest Lecturer (Media Computation, Designing Novel Interactions, Fundamentals of Interaction Design) — 2022
Academic Tutor (Designing Novel Interactions, Graphics and Interaction) — 2020 − 2022

EDUCATION

The University of Melbourne — Melbourne, Australia
PhD of Engineering (Human-Computer Interaction) — Apr, 2019 − Nov, 2023
The University of Melbourne — Melbourne, Australia
Master of Information Technology — 2016
Nanchang University — Nanchang, China
Bachelor of Applied Science (Digital Media Technology) — 2014

ACADEMIC SERVICE

Associate Chair (Paper Track)	CHI 2025
Student Volunteer Chair	UbiComp 2024
Poster Chair	Augmented Human 2024
Session Chair	ERC GEMINI Workshop 2024
Student Design Competition Reviewer	CHI 2024
Subcommittee Chair Assistant (User Experience)	CHI 2022
Associate Chair (Late-Breaking Work)	CHI 2022
Student Volunteer (Paper session support & LBW session chairing)	CHI 2021
Student Volunteer (Paper session support)	OzCHI 2020
External Reviewer (CHI, IMWUT, CSCW, UIST, ISMAR, IEEE VR, DIS, VRST, SUI, TEI, ISS, ...)	2019 − Present

AWARD AND RECOGNITION

Special Recognition for Outstanding Review	CSCW 2023
Graduate Research Student of the Year (Shortlist of 3)	FEIT Community Awards 2022

Faculty of Engineering and Information Technology at The University of Melbourne
Best Paper Honourable Mention Award   CHI 2021
Dance and Choreography in HCI: A Two-Decade Retrospective
Best Paper Nomination   ISMAR 2020
Fully-occluded target selection in virtual reality
Best Paper Honourable Mention Award   OzCHI 2017
GazeGrip: improving mobile device accessibility with gaze and grip interaction

GRANTS

Learning and Teaching Initiatives Grants ($29,656 AUD)   2021
The Portable SpinalLog 2: Application and Evaluation in Physiotherapy Teaching Settings
Melbourne InnovatEd ($20,000 AUD)   2019
SpinalLog 2: maximising portability and scalability for a 3D-printed tangible physiotherapy LTA device

ADMIN ROLES

Interdisciplinary Center for Extended Reality (ICXR), Aarhus University, Denmark
Founding Member   Oct, 2024
XR Collaboratory, Pioneering Centre for Artificial Intelligence, Denmark
Annual Meetup Organiser   Nov, 2024
Special Interest Group on History of Novel Interaction Techniques, HCI Group, Aarhus University
Co-organiser with Prof. Susanne Bødker   2024
Computing and Information Systems Graduate Research Students, The University of Melbourne
President   Jun, 2021 − Jun, 2022
Human-Computer Interaction Group, The University of Melbourne
HCI Research Seminar Coordinator   May, 2019 − Aug, 2020

FELLOWSHIPS AND SCHOLARSHIPS

Visiting Fellowships in Computing   2023
Travel grants to encourage collaborations with computer science researchers among the Go8 universities in Australia
M. A. Bartlett Research Scholarship   2023
Offered to high achieving candidates who intend to undertake study related travel or fieldwork
Research Training Program Scholarship   2019
Awarded to high achieving students undertaking a Master by research or Doctoral by research degree in Australia

STUDENT SUPERVISION

Thorbjørn Mikkelsen (PhD, Aarhus University, w/ Prof. Pfeuffer and Prof. Gellersen)   Jun, 2024 − Present
Juan Sánchez Esquivel (PhD, Aarhus University, w/ Prof. Pfeuffer and Prof. Gellersen) Mar, 2024 − Present
Jinwook Kim (Visiting PhD, KAIST, w/ Prof. Pfeuffer)   Mar, 2024 − Present
Gengchen Tian (MSc, Aarhus University)   Sep, 2024 − Present
Zehai Liu (MSc, Aarhus University)   Sep, 2024 − Present
Yang Liu (MSc, Aarhus University)   Jun, 2024 − Present
Micharl Smirnov (MSc, Aarhus University)   Jun, 2024 − Sep 2024
Jiahao Chen (MSc, The University of Melbourne)   Sep, 2023 − Sep, 2024
Kexin Chen (BSc, The University of Melbourne)   Feb, 2023 − Jun, 2023
Jean Paul Vera Soto (MIT, The University of Melbourne)   Nov, 2022 − Jun, 2023
Marvin Bai (MC-SOFTENG, The University of Melbourne)   Nov, 2022 − Jun, 2023
Geye Guo (MSc, The University of Melbourne)   Jul, 2022 − Jun, 2023
Tsz Kin Leung (MIT, The University of Melbourne)   Jul, 2022 − Jun, 2023
Tianchen Zheng (MIT, The University of Melbourne)   Jul, 2022 − Nov, 2022
Zhaozhao Yang (MIT, The University of Melbourne)   Jul, 2022 − Nov, 2022
Qiaoduo Lin (MIT, The University of Melbourne)   Jul, 2022 − Nov, 2022
Beier Li (MIT, The University of Melbourne)   Jul, 2022 − Nov, 2022
Louise Grebel (Research Intern, The University of Paris-Saclay)   Apr, 2022 − Jun, 2022
Borui Liao (MSc, The University of Melbourne)   Jan, 2021 − Dec, 2021
Sibo Ma (MIT, The University of Melbourne)   Jun, 2019 − Dec, 2019

ART

Guài   Melbourne Fringe Festival 2023 & Science Gallery Melbourne 2024
Creating an audiovisual experience that discusses human-AI relationship through music, avatars, and a mixed reality mirror.
Anthropomorphic Machine   Science Gallery Melbourne 2022
Collaboration with artist Stelarc to create an installation that responds to crowd movement for Science Gallery Melbourne.

FULL PAPER PUBLICATIONS

The Effects of Generative AI on Design Fixation and Divergent Thinking   CHI 2024
*Samangi Wadinambiarachchi, Ryan M. Kelly, Saumya Pareek, **Qiushi Zhou**, Eduardo Velloso*

Augmented Reality at Zoo Exhibits: A Design Framework for Enhancing the Zoo Experience   CHI 2024
*Brandon Syiem, Sarah Webber, Ryan Kelly, **Qiushi Zhou**, Jorge Goncalves, Eduardo Velloso*

Mr.LfD: A Mixed Reality Interface for Robot Learning from Demonstration   OzCHI 2024
*Jiahao Chen, Antony Chacon, Muhammad Bilal, **Qiushi Zhou**, Wafa Johal*

Exploring Design Parameters for RSVP Reading of Mobile Notifications   OzCHI 2024
*Hao-Ping Lee, **Qiushi Zhou**, Vassilis Kostakos, Benjamin Tag, Tilman Dingler*

Reflected Reality: Augmented Reality through the Mirror   IMWUT 2023
***Qiushi Zhou**, Brandon Victor Syiem, Beier Li, Jorge Goncalves, Eduardo Velloso*

Public Attitudes and Behaviours on Social Media Platforms Displaying Users' Location   INTERACT 2023
*Ying Ma, **Qiushi Zhou**, Benjamin Tag, Zhanna Sarsenbayeva, Jorge Goncalves, Eduardo Velloso*

Here and Now: Creating Improvisational Dance Movements with a Mixed Reality Mirror   CHI 2023
***Qiushi Zhou**, Louise Grebel, Andrew Irlitti, Julie Ann Minaai, Jorge Goncalves, Eduardo Velloso*

Volumetric Mixed Reality Telepresence for Real-time Cross Modality Collaboration   CHI 2023
*Andrew Irlitti, Mesut Latifoglu, **Qiushi Zhou**, Martin Reinoso, Thuong Hoang, Eduardo Velloso, Frank Vetere*

Blending On-Body and Mid-Air Interaction in Virtual Reality   ISMAR 2022
*Difeng Yu, **Qiushi Zhou**, Tilman Dingler, Eduardo Velloso, Jorge Goncalves*

Movement Guidance using a Mixed Reality Mirror   DIS 2022
***Qiushi Zhou**, Andrew Irlitti, Difeng Yu, Jorge Goncalves, Eduardo Velloso*

Dance and Choreography in HCI: A Two-Decade Retrospective   CHI 2021
***Qiushi Zhou**, Chengcheng Chua, Jarrod Knibbe, Jorge Goncalves, Eduardo Velloso*

Eyes-free Target Acquisition During Walking in Immersive Mixed Reality   IEEE TVCG
***Qiushi Zhou**, Difeng Yu, Martin Reinoso, Joshua Newn, Jorge Goncalves, Eduardo Velloso*

Fully-Occluded Target Selection in Virtual Reality   IEEE TVCG
*Difeng Yu, **Qiushi Zhou**, Joshua Newn, Tilman Dingler, Eduardo Velloso, Jorge Goncalves*

Faces of Focus: A Study on the Facial Cues of Attentional States   CHI 2020
*Ebrahim Babaei, Namrata Srivastava, Joshua Newn, **Qiushi Zhou**, Tilman Dingler, Eduardo Velloso*

Engaging Participants during Selection Studies in Virtual Reality   IEEE VR 2020
*Difeng Yu, **Qiushi Zhou**, Benjamin Tag, Tilman Dingler, Eduardo Velloso, Jorge Goncalves*

GazeGrip: Improving Mobile Device Accessibility with Gaze & Grip Interaction   OzCHI 2017
***Qiushi Zhou**, Eduardo Velloso*

FULL PAPERS IN-SUBMISSION

Single-Hand Rotation and Translation of 3D Virtual Objects TOCHI
Thorbjørn Mikkelsen, **Qiushi Zhou**, *Mathias Lystbæk, Michael Smirnov, Hans Gellersen, Ken Pfeuffer*

TapOnGaze: Integrating Gaze and Finger-Tapping for Distant Selection in XR TOCHI
Juan Sánchez Esquivel, **Qiushi Zhou**, *Mathias Lystbæk, Yang Liu, Hans Gellersen, Ken Pfeuffer*

Assisting MoCap-Based Teleoperation of Robot Arm using Augmented-Reality Visualisations RAL
Qiushi Zhou, *Antony Chacon, Jiahe Pan, Wafa Johal*

PinchCatcher: Enabling Multi-selection for Gaze+Pinch CHI 2025
Jinwook Kim, Sangmin Park, **Qiushi Zhou**, *Mar Gonzalez-Franco, Jeongmi Lee, Ken Pfeuffer*

Extended Perspective in Extended Reality: A Survey CHI 2025
Qiushi Zhou, *Jarrod Knibbe, Jorge Goncalves, Eduardo Velloso*

A Probabilistic Approach to Understanding User Preferences for Adaptive AR Interfaces CHI 2025
Qiushi Zhou, *Jean Paul Vera Soto, Zhongyi Bai, Mark Parent, Kashyap Todi, Tanya R. Jonker, Eduardo Velloso*

EXTENDED ABSTRACTS AND WORKSHOP PAPERS

Assisting MoCap-Based Teleoperation of Robot Arm using Augmented Reality Visualisations HRI 2025 LBR
Qiushi Zhou, *Antony Chacon, Jiahe Pan, Wafa Johal*

Ubiquitous Smart Eyewear Interactions using Implicit Sensing and Unobtrusive Output IMWUT 2019 EA
Qiushi Zhou, *Joshua Newn, Benjamin Tag, Hao-Ping Lee, Chaofan Wang, Eduardo Velloso*

Cognitive Aid: Task Assistance Based On Mental Workload Estimation CHI 2019 LBW
Qiushi Zhou, *Joshua Newn, Namrata Srivastava, Tilman Dingler, Jorge Goncalves, Eduardo Velloso*