Wei Wang

PHD STUDENT · MONASH UNIVERSITY

Wellington Rd, Clayton VIC 3800

✉ wei.wang5@monash.edu.au | ⬡ WeiWangWWM | in WeiWangWWM | 🐦 @WeiWangWWM | weiwangwwm.github.io

Education

Monash University   *Melbourne, AU*
DOCTOR OF PHILOSOPHY   *Oct 2021 - present*
- Dept of Software Systems & Cybersecurity
- Thesis: Towards adaptive user interfaces: a model-driven approach for mHealth applications targeting chronic diseases
- *Faculty of Information Technology Research Scholarship*
- Advisor: Prof John Grundy, Dr Hourieh Khalajzadeh and Dr Anu Madugalla

The University of Melbourne   *Melbourne, AU*
MASTER OF INFORMATION SYSTEMS (WITH DISTINCTION)   *Jul 2019 - Jul 2021*
- Computing and Information Systems
- Thesis: Investigating the impact of social support embedded in online consultation on physicians' online reputation: The moderating role of media capabilities
- Advisor: Dr Libo Liu

The University of Tasmania   *Tasmania, AU*
BACHELOR OF INFORMATION SYSTEMS (WITH DISTINCTION)   *Aug 2016 - Jun 2019*
- College of Science and Engineering
- *Executive Dean's Honour Roll*

Publications

PUBLISHED

Wang, W., Khalajzadeh, H., Grundy, J. and Madugalla, A., Obie, H. 2023. Adaptive user interfaces for software supporting chronic disease. In Software Engineering in Society (ICSE-SEIS'24)

Xiang, Z., Ning, C., Li, M., Ma, K., Shi, L., **Wang, W.** and Ye, G., 2023. AFFD-Net: a Dual-Decoder Network Based on Attention-Enhancing and Feature Fusion for Retinal Vessel Segmentation, IEEE Access, 11, 45871 - 45887.

Wang, W., Khalajzadeh, H., Grundy, J., Madugalla, A., Mcintosh, J. and Obie, H. 2023. Adaptive user interfaces in systems targeting chronic disease: a systematic literature review. User Modeling and User-Adapted Interaction.

Wang, W. Towards Adaptive User Interfaces: A Model-Driven Approach for mHealth Applications Targeting Chronic Disease. In 2023 IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC) (pp. 296-298)

Wang, W., Khalajzadeh, H., Grundy, J. and Madugalla, A., Obie, H. 2023. Adaptive User Interfaces for Software Supporting Chronic Diseases. In 2023 IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC) (pp. 215-218)

Wang, W., & Liu, L. 2022. Investigating the impact of social support embedded in online consultation on physicians' online reputation: The moderating role of media capabilities. Proceedings of the 55th Hawaii International Conference on System Sciences, pp. 1-10.

Zhang, M., **Wang, W.**, Li, M., Sheng, H. and Zhai, Y. 2022. Efficacy of Mobile Health Applications to Improve Physical Activity and Sedentary Behavior: A Systematic Review and Meta-Analysis for Physically Inactive Individuals. International Journal of Environmental Research and Public Health, 19(8), 4905

IN REVIEW

Wang, W., Grundy, J., Khalajzadeh, H. and Madugalla, A., Obie, H. 2023. Designing Adaptive User Interfaces for mHealth applications targeting chronic disease: A User-Centric Approach. arXiv.org. https://arxiv.org/abs/2405.08302

Shi, L., Li, M., Li, Z., **Wang, W.**, Xu, R., Gong, P., Song, D., & Feng, X. Enhancing Cellular Microscopy: Artificial Intelligence-Powered Fluorescence Feature Compensation and Multi-Planar Reconstruction via Cycle-Generated Adversarial Network. Engineering Applications of Artificial Intelligence.

Awards, Fellowships, & Grants

2024 Humanise Lab One-Slide Showcase 3rd Place

2023 Humanise Lab One-Slide Showcase 1st Place

The paper "Investigating the Impact of Social Support Embedded in Online Consultation on Physicians' Online Reputation: The Moderating Role of Media Capabilities" was nominated for the Best Paper Award at the 2021 Hawaii International Conference on System Sciences (HICSS).

Teaching Experience

SWEN90009: Software Requirements Analysis - Project Supervisor   *Melbourne, AU*
THE UNIVERSITY OF MELBOURNE - FACULTY OF ENGINEERING AND INFORMATION TECHNOLOGY   *Feb 2023-Present*
- Assist students in applying methods for eliciting, analysing, and specifying system requirements in practical scenarios.
- Assist students in prototyping and refining requirements based on client specifications and project objectives and guided students in conducting usability tests to evaluate the effectiveness and user-friendliness of software systems.

COMP90082: Software Project - Project Supervisor   *Melbourne, AU*
THE UNIVERSITY OF MELBOURNE - FACULTY OF ENGINEERING AND INFORMATION TECHNOLOGY   *Jul 2021-Present*
- Perform weekly academic teaching for core compulsory subjects of master of IT (software engineering).
- Provide advice and guidance for the software projects from the prototype phase to the implementation phase.

SIT217-Introduction to Software Engineering - Tutor   *Melbourne, AU*
DEAKIN UNIVERSITY - FACULTY OF SCI ENG & BUILT ENV   *Jul 2023-Nov 2023*
- Assist students in understanding and applying software engineering concepts, including capturing and documenting requirements, software modelling, agile project management, and reflective practice.).
- Stay abreast of advancements in software engineering practices, methodologies, and technologies to enhance teaching effectiveness and relevance.
- Deliver engaging and interactive tutorials, and practical sessions to undergraduate students in Software Engineering.

SWEN90014: Masters Software Engineering Project - Tutor   *Melbourne, AU*
THE UNIVERSITY OF MELBOURNE - FACULTY OF ENGINEERING AND INFORMATION TECHNOLOGY   *Jul 2022-Dec 2023*
- Supervising software engineering project with a focus on analysis, design, quality assurance activities and management activities within a software engineering process.
- Deliver workshops include selected topics drawn from requirements analysis, design, implementation, testing and software project management relevant to the project phase that students are currently working on.

Working Experience

Research Assistant   *Melbourne, AU*

MONASH UNIVERSITY   *Aug 2023 to present*

- Conducting thorough research to understand the unique challenges faced by individuals with cognitive impairments in navigating maps and geographical locations.
- Collaborating with interdisciplinary teams, including researchers, developers, and accessibility experts, to gather insights and feedback for iterative improvement of map navigation applications.

Research Intern   *Melbourne, AU*

CITY OF MELBOURNE   *Jan 2021 to Apr 2021*

- Conducted interview and survey to get detailed information of consumer preference and shop owner's perspective towards COVID-19.

Web Developer-Health platform   *Melbourne, AU*

VARIANTZ   *Nov 2020 to Apr 2021*

- Worked as frontend Lead using a combination of Node.js, PWA, Javascript, Vue.js and other frontend technologies to develop functions and workflows
- Developed high-fidelity prototypes based on ideation and high-level requirements and end-user research, and ensured usability during technical implementation.

System Developer Intern   *Shanghai, CH*

EBAY   *Feb 2019 to Jul 2019*

- Built a web-based application in two months which greatly improved the efficiency of inventory management in the IT department.

Outreach & Professional Development

SERVICE AND OUTREACH

2023	**ICSE2023**, Student Volunteer	*Melbourne, AU*
2020	**Farrago Magazine-The University of Melbourne**, Website Design Volunteer	*Melbourne, AU*

PEER REVIEW

Journal: International Journal of Environmental Research and Public Health (IJERPH)

Conference: Hawaii International Conference on System Sciences (HICSS) and Australasian Conference on Information Systems (ACIS)

MEMBERSHIP

ACM Student Membership