WENXIN WANG

PERSONAL INFORMATION

Date of birth:	6-4-1984	Place:	Waalre
Availability:	immediate	Email:	wangwxzy@gmail.com
Telephone:	06 4159 9015	LinkedIn:	/in/wenxin-zy-wang
Nationality:	Chinese, with permanent Dutch resident permit		

PROFESSIONAL SUMMARY

- Enthusiastic and experienced in user experience design and front-end development.
- Adept at user research, prototyping, usability test, data analysis, and web design and development.
- An effective communicator with experience in multidisciplinary teams.

HIGHLIGHTS OF SKILLS

- **Design (6-year experience)**: human-computer interaction, human-centred design, user behaviour and support, prototyping, usability test, questionnaire survey, focus group, interview, statistical analysis.
- **Empirical research (6-year experience)**: experimental design, conduct, and evaluation.
- **Software**: SPSS, Excel, Photoshop, Illustrator, Matlab, Mathematica.
- **Programming**: HTML, CSS, JavaScript, PHP, ASP, SQL.

EXPERIENCE

PhD Researcher 05/2011 —

Delft University of Technology and TNO

Designing and evaluating a self-monitoring system for chronic patients to use at home, especially a website that provided feedback to patients.

- Designed and conducted various user research, including interview, focus group, usability test, questionnaire survey, and expert review.
- Designed, implemented (using HTML, CSS, JavaScript, and PHP), and tested various prototypes, focusing on the different user needs.
- Collected and analysed research data (both quantitative and qualitative).
- Developed a questionnaire to identify key factors that influence patients' acceptance of the system.
- Extracted patients' behaviour in log file database and analysed behavioural patterns.
- Collaborated with different stakeholders: physicians, (clinical) researchers, patients, and a project manager.
- Co-organized biannual meeting Zelfmanagement bij Nierpatiënten.

Teaching Assistant (part-time) 04/2015 — 06/2015

Delft University of Technology

Guided students on developing a software in an agile way to analyse users' log data and thereby their behaviour. The emphasis was to understand and meet the user needs.

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Teaching Assistant (part-time) 02/2013 — 06/2013

Delft University of Technology

Guided students on developing a software in an agile way to present self-monitoring feedback to patients, so that they could respond properly. The emphasis was to understand the user needs and user profile, and to support target behaviour.

User-System Interaction Designer 10/2009 — 09/2011

Eindhoven University of Technology

Practical work in user research and user-centred design.

- Laid solid theoretical foundation in research, design, and statistical methods.
- Worked in multi-disciplinary teams (psychology, design, and technology).
- Conducted various projects, such as a fitness feedback system, a TV remote control for kids, a canteen app to select meal, and a drinking record app.
- Helped organize CHI 2010 conference as a volunteer.

Graduate Project in Biomedical Engineering 09/2008 — 07/2009

Eindhoven University of Technology

Project: registration, with Matlab, of the more detailed pre-operative 3D brain data and the less detailed intra-operative data.

- Successfully registered 75% of the test datasets, which was much better than other software.

Intern in Biomedical Engineering 04/2008 — 07/2008

Eindhoven University of Technology

Project: quantitative analysis, with Mathematica, of microscopy images in biomedical engineering.

- Quantitative analysed the network distribution of mitochondria and lipid droplets in human muscle fibres, including their number, size, location, and association, to better understand their relationship with diabetes.
- Arranged a lab visit to learn modern microscopy.
- Carried out complicated and large project in a professional way.

Intern in Biomedical Engineering 09/2007 — 12/2007

Eindhoven University of Technology

Project: building a prototype software in Mathematica to remove the bones while keep the vessels in 3D Maximum intensity projection images, so that doctors can diagnose the disease of artery.

Graduate Project in Biomedical Engineering 02/2007 — 06/2007

Zhejiang University, China

Digitized text-based clinical guidelines to a Clinical Decision Support System.

- Interpreted clinical guideline text into rule-based format, and realized automatic inference of medical logic modules.
- Built a graphical interface with C#, so that medical staff could interact well with the system and electronic medical records.
- Verified the feasibility with the example of diabetes diagnosis.

Volunteer 07/2004 — 10/2004

Zhejiang University, China

Task: introducing the university to high school students.

- Received the award “Excellent Young Volunteer”.

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EDUCATION

PhD in Computer Science *Delft University of Technology* 2011 —

Post-MSc in User-System Interaction *Eindhoven University of Technology* 2009 — 2011

MSc in Biomedical Engineering *Eindhoven University of Technology* 2007 — 2009

BSc in Biomedical Engineering *Zhejiang University, China* 2002 — 2007

- Received “Outstanding Graduate Award”.
- Received the award “Excellent Thesis of Bachelor Degree”.

OTHER SKILLS

Languages: fluent English, basic Dutch, native Chinese

Driving license: type B

MAIN PUBLICATIONS

Wang W *et al*. *How to Support Renal Transplant Patients with Self-Monitoring and Taking Appropriate Actions*, Interacting with Computers (submitted).

Wang W *et al*. *Guided or Factual Computer Support for Kidney Patients with Different Experience Levels and Medical Health Situations: Preferences and Usage*, Healthcare and Technology (submitted).

van Lint C L, **Wang W**, *et al*. *Self-Monitoring Kidney Function After Transplantation: the Reliability of Patient-Reported Data*, Journal of Medical Internet Research (in press).

Wang W *et al*. *Renal Transplant Patient Acceptance of a Self-management Support System*, BMC Medical Informatics and Decision Making, 17(1): 58 (2017).

Wang W *et al*. *Feedback to Renal Transplant Patients in a Self-management Support System*, European Conference on Cognitive Ergonomics 2012: 147-150 (2012).

Wang W *et al*. *Designing and Evaluating a Self-Management Support System for Renal Transplant Patients: the First Step.* European Conference on Cognitive Ergonomics 2012: D15-D19 (2012).

PERSONAL INTERESTS

Travel, reading (history and literature), child care, education, psychology