Muhe Yang

yangmuhe.github.io | muhe.yang@mail.mcgill.ca
McGill University School of Information Studies | 3661 Peel, Montreal, QC, Canada

EDUCATION

Ph.D. Candidate in Information Studies   Sep. 2019 – Present
McGill University, Montreal, Canada
School of Information Studies
- Research interests: Human-Computer Interaction, Accessibility, Older adults, Design
- Research topic: Supporting physical activity for older adults | Advisor: Dr. Karyn Moffatt

M.F.A. in Information Design and Visualization   Sep. 2015 – May 2017
Northeastern University, Boston, U.S.
College of Arts, Media and Design
- Thesis: *Visiting, Picturing and Experiencing the Chinese Garden* | Advisor: Dr. Kristian Kloeckl
- Thesis project: *Visualizing Seasonal Change in the Chinese Garden* | Advisor: Paul Kahn

B.Eng. in Industrial Design   Sep. 2010 – July 2014
Taiyuan University of Technology, China
College of Mechanical Engineering
- Thesis project: *Blossom—Stainless Kitchen Utensils Serial Design* | Advisor: Dr. Jing Zhao

EXPERIENCE

ACT Lab, McGill University   Sep. 2019 – Present
Research Assistant, Doctoral Research in Human-Computer Interaction
- Conducted literature review on health persuasive technology, analyzing and synthesizing methodologies in empirical studies
- Conducting research and study design on behavior change technology supporting physical activity for older adults

School of Information Studies, McGill University   Jan. – June 2022
Research Assistant
- Conducted literature review and proposed study designs for investigating the information needs of reverse engineers (supervised by Prof. Rebekah Willson and Prof. Benjamin Fung)

Taiyuan Jiaofei Geology Information Technology Co., China   Sep. 2017 – Dec. 2018
Designer, Research Assistant
- Designed, modeled, and developed seism monitoring devices
- Assisted patent application process

China Industrial Design Institute, Shanghai, China   May – July 2016
Design Intern
- Assisted organizing Shanghai Open Data Applications (SODA) competition
- Designed printed and digital materials to advertise events

National Contest on Energy Saving & Emission Reduction, Taiyuan, China   May 2012
Undergraduate Researcher
- Conducted a survey on campus canteen system for reducing energy waste
- Designed questionnaire and collected data

PUBLICATIONS

Journal Article
Yang, M. (2020). Investigating seasonal color change in the environment by color analysis and information visualization. *Color Research & Application*, *45*(3), 503-511. https://doi.org/10.1002/col.22484

Patent of Invention
Yang D., Li Z., Wang H., **Yang M.** (2018). Device and method for quickly identifying transverse waves on seismic monitoring records. CN201810365058. [under review]

PRESENTATIONS

Yang, M and Moffatt, K. (2022). A Review of Empirical Studies on Persuasive Technology for Physical Activity: Common Practices and Current Trends. Poster presented at *14th EBSI-SIS Student Symposium in Information Studies* and *Graphics Interface 2022 (GI'22)*, Montreal, QC, Canada.

TEACHING ACTIVITIES

Teaching Assistant of Master's course GLIS619 Information Behaviour and Resources
Instructor: Dr. Joan Bartlett   Fall 2021

ACADEMIC INVOLVEMENT AND SERVICES

Student Volunteer, ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW'21)   Oct. 2021

Peer Reviewer: 1 journal article, *Color Research & Application*   May 2021

Organizing Committee Member, 13th EBSI-SIS Symposium on Information Studies
                                                                          Apr. 2021

Executive Member, Association for Information Science & Technology (ASIS&T) McGill
Chapter   2020 – 2021

Community Volunteering: Tech Café volunteer, Yellow Door   Feb. 2022 – Present

SCHOLARSHIPS AND AWARDS

Graduate Excellence Fellowship   2019 – 2023
McGill University

Best Poster Award in 14th EBSI-SIS Student Symposium in Information Studies   Apr. 2022
School of Information Studies, McGill University

Comprehensive Examination Completion Award   Jan. 2021
School of Information Studies, McGill University

Graduate Scholarship   2015 – 2017
College of Arts, Media and Design, Northeastern University

The Second Prize in National University Student Social Practice and Science Contest on Energy
Saving & Emission Reduction   May 2012
Taiyuan University of Technology

SKILLS

Data Analysis and Visualization: R, Processing, JavaScript D3, p5.js + HTML

Design Tools: Adobe Illustrator/InDesign/Photoshop, Sketch, Rhino + Key Shot, Auto CAD

Sketching and rapid prototyping

Languages: Fluent English, Native Mandarin Chinese, Basic Japanese, Basic Korean