

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 McGill 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