Grace (Yu-Chun) Yen

grace-yen.com

CURRENT POSITION

University of California San Diego, UCSD, CA — 2021 - present
Postdoc Researcher. *PI*: Dr. Steven P. Dow
NSF Computing Innovation Fellow

EDUCATION

University of Illinois at Urbana-Champaign, UIUC, Urbana, IL — 2013 - 2020
Ph.D. in Computer Science. *Advisor*: Dr. Brian P. Bailey
*Dissertation: Facilitating Online Feedback Interpretation Through Reflection,Paraphrasing, and Interactive Visualization (won the **Dissertation Completion Fellowship**)*

National Taiwan University, NTU, Taipei, Taiwan — 2009 - 2011
M.S. in Computer Science. *Advisor*: Dr. Li-Chen Fu
*Thesis: Human-centric and Situation-aware Pervasive Healthcare System in the Hospital for Elderly People (won the **Best Master's Thesis Award**)*

National Taiwan Normal University, NTNU, Taipei, Taiwan — 2005-2009
B.S in Computer Science. *Advisor*: Dr. Chiung-Yao Fang.

PUBLICATIONS

J2. Visualizing Topics and Opinions Helps Students Interpret Large Collections of Unstructured Feedback for Creative Works. 2022. *ACM Transactions on Computer-Human Interaction* (TOCHI). *Under Review*

C11. **Grace Yu-Chun Yen** and Steven Dow. Seeking Exemplars in the Wild: Exploring How Students Find Design Examples to Support Personalized Learning. *ACM Learning at Scale* (L@S '22)

C10. Chi-Hsien Yen, Haocong Cheng, **Grace Yu-Chun Yen**, Brian P. Bailey, and Yun Huang. 2021. Narratives + Diagrams: An Integrated Approach for Externalizing and Sharing People's Causal Beliefs. *Proc. ACM Hum.-Comput. Interact, CSCW2, Article 444 (October 2021).* (CSCW '21)

C9. **Grace Yu-Chun Yen**, Joy O. Kim, and Brian P. Bailey. Decipher: An Interactive Visualization Tool for Interpreting Unstructured Design Feedback from Multiple Providers. *Proceedings of the ACM Conference on Human Factors in Computing Systems.* (CHI '20)

C8. Chi-Hsien Yen, **Grace Yu-Chun Yen**, and Wai-Tat Fu. An Intelligent Assistant for Mediation Analysis in Visual Analytics. *ACM Conference on Intelligent User Interface.* (IUI '19)

C7. **Grace Yu-Chun Yen**, Steven P. Dow, Elizabeth Gerber, and Brian P. Bailey. Listen to Others, Listen to Yourself: Combining Feedback Review and Reflection to Improve Iterative Design. *Proceedings of the 2017 ACM SIGCHI Conference on Creativity and Cognition.* (C&C '17)

C6. Helen Wauck, **Grace Yu-Chun Yen**, Wai-Tat Fu, Elizabeth Gerber, Steven P. Dow, and Brian P. Bailey. From in the Class or in the Wild? Peers Provide Better Design Feedback Than External Crowds. *In Proceedings of the ACM Conference on Human Factors in Computing Systems.* (CHI '17)

C5. **Grace Yu-Chun Yen**. Enhancing the Usage of Crowd Feedback for Iterative Design. *In Proceedings of the 2017 ACM SIGCHI Conference on Creativity and Cognition.* (C&C '17)

C4. **Grace Yu-Chun Yen**, Steven P. Dow, Elizabeth Gerber, and Brian P. Bailey. Social Network, Web Forum, or Task Market? Comparing Different Crowd Genres for Design Feedback Exchange. *In Proceedings of the 2016 ACM Conference on Designing Interactive Systems.* (DIS '16)

J1. Chun-Feng Liao, **Grace Yu-Chun Yen**, Yu-Chiao Huang, and Li-Chen Fu. An Empirical Study on Engineering a Real-World Smart Ward Using Pervasive Technologies. *In 2016 IEEE Systems Journal.* (IEEE Systems Journal '16)

C3. Yu-Chiao Huang, Chun-Feng Liao, **Grace Yu-Chun Yen**, Li-Jen Hou, Li-Chen Fu, Chia-Hui Chen, Chiung-Nien Chen. An Extensible Situation-Aware Caring System for Real-World Smart Wards. *In Proceeding of the International Conference on Smart Homes and Health Telematics.*(ICOST 2012)

C2. **Grace Yu-Chun Yen**, Jiun-Yi Li, Ching-Hu Lu, Tsung-Han Yang and Li-Chen Fu. Human-Centric Situational Awareness in the Bedroom. *In Proceeding of the International Conference on Smart Homes and Health Telematics.* (ICOST 2011)

C1. **Grace Yu-Chun Yen**, Ching-Hu Lu, Yi-Chung Cheng, Jing-Siang Chen, and Li-Chen Fu. Towards an Evidence-Based and Context-Aware Elderly Caring System Using Persuasive Engagement. *In Proceeding of the International Conference on Human-Computer Interaction.* (HCII 2011)

Master's Thesis **Grace Yu-Chun Yen**. Human-centric and Situation-aware Pervasive Healthcare System in the Hospital for Elderly People. Master's Thesis. National Taiwan University, Taiwan, 2011. (Best Master's Thesis Award)

Patent **Yu-Chun Grace Yen**, Li-Chen Fu, Tsung-Han Yang, Fang-Cheng Liu, and Chun-Feng Liao. An information processing system based on multi-layer inference architecture. PATENT ID# I486914. Valid from June 2015 to May 2032. (Patent)

Research Experience

Computing Research Association, CIFellow (Postdoc Fellow) 2021-present
Host: Steven Dow

Adobe Research, Research intern, San Francisco, CA Summer 2019
Mentor: Joy Kim

Adobe Research, Research intern, San Francisco, CA Summer 2018
Mentor: Joy Kim

Orchid Research Group, Doctorate Researcher, UIUC 2013-2020
Advisor: Brian P. Bailey

National Science Council at Taiwan, Software Engineer, Taiwan 2011-2013
PI: Greg Lee

Intelligent Robot and Automation Lab, Graduate Researcher, National Taiwan University 2009-2011
Advisor: Li-Chen Fu

Computer Vision and Image Understanding Lab, Undergrad Researcher, NTNU 2008-2009
Advisor: Chiung-Yao Fang

Honors and Awards

[H8] Computing Innovation Fellow, NSF Computing Research Association 2021

[H7] Special Recognition of Outstanding Review, ACM CSCW 2020

[H6] Dissertation Completion Fellowship, University of Illinois at Urbana-Champaign 2019

[H5] Grace Hopper Conference Grant, University of Illinois at Urbana-Champaign 2017

[H4] Muroga Endowed Fellowship, University of Illinois at Urbana-Champaign 2013

[H3] Best Master's Thesis, Taiwanese Association for Artificial Intelligence, Taiwan 2011

[H2] NSC Undergraduate Research Grant, National Science Council, Taiwan 2009

[H1] Distinguished Undergraduate Scholarship, full tuition support 2005-2009

Mentoring

Research Mentor, UIUC & UCSD 2020- present
Mentored multidisciplinary student teams on research projects and paper submissions

Research Mentor, PURE Undergraduate Research Program, UIUC 2015-2020
Mentored three undergraduate students and two master students for their research projects

Instructor, User-Interface Design, UIUC Spring 2017
Led a semester-long design studios with 12 project groups.

Teaching Assistant, Human-Computer Interaction, UIUC Spring 2015
Mentored 8 research projects on the topic of leveraging crowd-sourcing technology for iterative design

Teaching Assistant, User Interaction Design, UIUC Fall 2014
Taught the principles of user interface design and mentored term projects on the topic of mobile and Web

interface design

SERVICES

Registration Co-Chair
Creativity & Cognition 2022
Area Chair
Creativity & Cognition 2021
Paper Reviewer
CSCW 2020 (received **Special Recognition of Outstanding Review**)
CSCW 2018
CHI 2020
DIS 2017
Creativity & Cognition 2018
Creativity & Cognition 2019