Novia Wong

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EDUCATION

University of California, Irvine, CA
PhD, Informatics (Candidate)
Advisor: Madhu Reddy
2021 – 2027 (Expected graduation)

University of Michigan, Ann Arbor, MI
M.S., Information
User Experience Research and Design,
2017 – 2019

San Jose State University, San Jose, CA
B.S., Psychology (Honors)
Mathematics Minor
2014 – 2017

PUBLICATIONS

Peer-Reviewed Conference Publications

C7 **Wong, N.,** Cheng, N., Oewel, B., Genuario, K. E., Stoeckl, SE., Schueller, S., Ahmed, I., Van der Hoek, A., & Reddy, M. (2025). "It's a spectrum": Exploring Autonomy, Competence, and Relatedness in Software Development Processes and Tools. *CHI 2025*, Yokohama, Japan. doi: https://doi.org/10.1145/3706598.3713250 ***[Honorable Mention Award]***

C6 Cheng, N., **Wong, N.**, & Reddy, M. (2025). Understanding Mental Wellbeing and Tools for Support with Taiwanese Emerging Adults: An Eastern Cultural Perspective. *CHI 2025,* Yokohama, Japan. doi: https://doi.org/10.1145/3706598.3713143

C5 Bautista, J., **Wong, N.,** Reddy, M., & Schueller, S. (2025). Healing Through Stories: Co-designing Digital Mental Health with Asian Americans. *CHI 2025,* Yokohama, Japan. doi: https://doi.org/10.1145/3706598.3714142

C4 **Wong, N.,** Jeong, S., Reddy, M., Samatis, C., Lattie, E., & Jacobs, M. (2023). Voice Assistants for Mental Health Services: Designing Dialogues with Homebound Older Adults. *DIS 2024,* Copenhagen*, Denmark.* doi: https://doi.org/10.1145/3643834.3661536

C3 **Wong, N.,** Jackson, V., Van der Hoek, A., Ahmed, I., Schueller, S., & Reddy, M. (2023). Mental Wellbeing in the Workplace: Perspectives of Software Engineers. *CHI 2023,* Hamburg, Germany. doi: https://doi.org/10.1145/3544548.3581528

C2 Scott, A., Cooke, I., Sliwinska, K., **Wong, N.,** & Schuster, D. (2018). Elicitation by critiquing: Applications to computer network defense. *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*. Santa Monica, CA: Human Factors and Ergonomics Society. doi: https://doi.org/10.1177/1541931218621286

C1 Cooke, I., Scott, A., Sliwinska, K., **Wong, N.,** Shah, S. V., Liu, J., & Schuster, D. (2018). Toward robust models of Cyber Situation Awareness. *Proceedings of the 9th International Conference on Applied Human Factors and Ergonomics.* Orlando, FL: AHFE International. doi: https://doi.org/10.1007/978-3-319-94782-2_13

Journal Publications

J5 Zhang, W., Wang, P., Liu, R., Chen, C., Yu, Z., Baum, E., Chan, M., Chan, A. Y., Hong, T., Kong, T., Lee, M., Li, Y., Schueller, S. M., Wen, Z., **Wong, N.,** Wu, J., Wu, W., Yang, Y., Zhang, Y., Luo., & Martin, E. A. Validation of the Mandarin Chinese Version of the Detachment, Internalizing, and Somatoform Spectra of the Hierarchical Taxonomy of Psychopathology Self-Report (HiTOP-SR). Manuscript submitted to publication in Assessment.

J4 Bautista, J., **Wong, N.,** Poola, N., Reddy, M., & Schueller, S. M. Understanding Opportunities for Mental Health Technologies Among "Gen Z" and "Millennial" Asian Americans: Insights from Focus Groups. Manuscript under revision.

J3 Schueller, S. M., Liu, R., Lee, M. D., Baum, E., Chan, M. H., Chen, C., Chen, Y. A., Hong, T., Kong, T., Li, Y., Martin, E., Wang, P., Wen, Z., **Wong, N.**, Wu, J., Wu, W., Yang, Y., Yu, Z., Zhang, W., Zhang, Y., & Lu, L. (2026). Evaluating brief digital interventions for college student mental health in mainland China: a randomized trial. *npj Mental Health Research.* doi: https://doi.org/10.1038/s44184-026-00247-w

J2 Yin, J., **Wong, N.,** & Reddy, M. (2025). Understanding User Experience of Support-Seeking on Reddit During Stressful Times. *CSCW2025,* Bergen, Norway. doi: https://doi.org/10.1145/3757694

J1 Studd, H., Haldar, S., **Wong, N.,** Reddy, M., Miller, E., & Mohr, D. (2022). Collaboration Challenges and Technology Opportunities at the Intersection of Perinatal and Mental Health Journeys. *CSCW 2022*, Taipei, Taiwan. doi: https://doi.org/10.1145/3555614

Book Chapters

B1 **Wong, N.,** Kuziemsky, C., Abraham, J., Nambiar., K., & Reddy, M. (2025). Characterizing Collaborative Workflow and Health Information Technology. *Reengineering Clinical Workflow in the Digital and AI Era: Toward Safer and More Efficient Care.* Springer. [Link]

Thesis and Reports

R1 **Wong, N**. (2017). Investigating Criteria and Techniques for Increasing Password Security and Memorability for Users [Honor thesis].

Workshops Papers and Extended Abstracts

W4 Pendse, S. R., **Wong, N.**, de Choudhury, M., Farao, J., Kumar, N., Namwinga, N., Ramos, G., Wani, A. S., Schleider, J. L., & Reddy, M. (2025, April). *Beyond Culture: Centering Power, Reciprocity, and Justice in HCI and Mental Health Research*. SIG at CHI 2025. Yokohama, Japan.

W3 **Wong, N.,** Schueller, S., & Reddy, M. (2023, April). Aligning collaboration between HCI and IS researchers: Reflections on a Digital Mental Wellbeing Project. *CHI 2023 Workshop: Bridging HCI and Implementation Science for Innovation Adoption and Public Health Impact.* [Link]

W2 **Wong, N.,** Reddy, M. (2022, May). Supporting the Complex Mental Health Needs of Adolescents from Immigrant Families. CHI 2022 Workshop: Challenges, Tensions, and Opportunities in Designing Ecosystems to Support the Management of Complex Health Needs. [Link]

W1 **Wong, N.,** Seshadri, P., Agnihotir, M., Oewel, B., & Agapie, E. (2022, May). Personalization of mental well-being apps through AI. *CHI 2022 Workshop: Grand Challenges in Personal Informatics and AI.* [Link]

Poster Presentations

P13 **Wong, N.**, Winquist, N., Parsons, L., Smith S., Krause, C. J., Barnas, O., Karr, C., Bradley S., Reddy R., Jacobs M., Carroll, A. J., & Mohr, D. C. (2025, August). *Alexa for Depression Management: Pilot Trial Results with Older Adults.* [Poster presentation]. ISRII 13th Scientific Meeting, San Diego, CA.

P12 **Wong, N.**, Krause, C. J., Winquist, N. W., Karr, C., Carroll, A. J., Mohr, D. C., Reddy, M., & Jacobs, M. (2025, August). *Lessons Learned: Using Amazon Alexa in a Feasibility Trial of Digital Mental Health Intervention.* [Poster presentation]. ISRII 13th Scientific Meeting, San Diego, CA.

P11 **Wong, N.**, Oewel, B., LeFevre, C., Modenesi, B., & Reddy, M. (2025, June). *Surveying cisgender men's perceptions and usage with digital mental wellbeing tools.* [Poster presentation]. Annual meeting of the Society for Digital Mental Health (Virtual).

P10 **Wong, N.** & Reddy, M. (2024, June). *Exploring Asian American Mental Health Content from Mental Health Professionals and Young Adults on TikTok* [Poster presentation]. ISRII 12th Scientific Meeting, Limerick, Ireland.

P9 Bautista, J., **Wong, N.,** & Reddy, M. (2023, June). *Asian American Mental Health and Technology: Improving Focus Group Methodology to Facilitate Conversations* [Poster presentation]. Annual virtual meeting of the Society for Digital Mental Health 2023. [Link]

P8 **Wong, N.,** Jeong, S., Lattie, E., Reddy, M., & Jacobs, M. (2023, June). *Designing a voice-assisted collaborative mental health intervention for homebound older adults and family caregivers* [Poster presentation]. Annual virtual meeting of the Society for Digital Mental Health 2023. [Link]

P7 **Wong, N.** & Reddy, M. (2022, June). *An exploration of Asian American youth's TikTok usage in expressing mental health concerns* [Poster presentation]. Annual virtual meeting of the Society for Digital Mental Health 2022. [Link]

P6 **Wong, N.,** Broderick, B., & Marcu, G. (2019, April). *Children with special needs as active collaborators in their own interventions* [Poster session]. University of Michigan School of Information Exposition, Ann Arbor, MI.

P5 **Wong, N.,** Mishra, A., Potiyevskiy, V., & Vohra, A. (2018, September). *MealSpace* [Poster presentation]. Decipher, Ann Arbor, MI.

P4 Wojciechowski, K. & **Wong, N.** (2018, April). Using LMS as a launchpad: Leveraging Canvas as a platform for library research learning modules [Poster presentation]. LOEX, Houston, TX.

P3 Cooke, I., Scott, A., Sliwinska, K., **Wong, N.,** Shah, S. V., Liu, J., & Schuster, D. (2017, May). *Toward robust models of cyber situation awareness* [Poster presentation]. Spartan Psychological Association Research Conference. San Jose, CA.

P2 Brown, P., Christensen, K., Nguyen, R., **Wong, N.,** & Schuster, D. (2016, April). *An investigation of trust in cyber security tools* [Poster presentation]. Meeting of the Western Psychological Association, Long Beach, CA.

P1 **Wong, N.** & Schuster, D. (2016, April). *The use of virtual machines in learning about human behavior in cyber security* [Poster presentation]. Spartan Psychological Association Research Conference. San Jose, CA.

Invited and Flash Talks

T2 Kornfield, R., **Wong, N.,** Meyerhoff, J., & Reddy, M., Mohr, D. (2025, June). *Revisiting the Accelerated Creation-to-Sustainment Model: Experiences Applying the Model across Three Technology-Enabled Services*. [Flash talk]. Annual meeting of the Society for Digital Mental Health (Virtual).

T1 Bautista, J., **Wong, N.,** Reddy, M., & Schueller, S. (2024, June). Understanding Opportunities for Mental Health Technologies Among "Gen Z" and "Millennial" Asian Americans: Insights from Focus Groups. *In Symposium: Centering the Experiences of Racially and Ethnically Minoritized Groups in the Design and Improvement of Internet Interventions.* ISRII 12th Scientific Meeting, Limerick, Ireland.

RESEARCH EXPERIENCE

Smoking Cessation Project, University of California, Irvine, CA

Research Assistant, 06/2026 – Present

- Design interview protocol to evaluate chatbot design for online support groups for smoking cessation.
- Translate HCI concepts and design principles for the project PI, who is with the business school at the university.

PITCH Lab, Northwestern University, Evanston, IL/University of California, Irvine, CA

Research Assistant, 10/2020 – Present

- Led peer-reviewed publications and poster presentations to distribute the results of different projects.
- Served as the lead researcher to design and coordinate the development of a voice-based smart speaker application to pilot in a randomized-controlled trial.
- Prototyped a voice-based smart speaker application using Figma, Voiceflow, and Miro.
- Ran 20+ remote participatory design sessions to understand the voice assistant's role in supporting older adults' mental health.
- Conducted 10+ and analyzed 40+ interviews for a project on understanding the mental well-being of software engineers.
- Designed digital prototypes for usability testing sessions.
- Created product requirements for developers to build an Alexa Skill for older adults and a web app for family caregivers.

Cyrus Tang Foundation Project, Beijing Normal University, China/University of California, Irvine, CA

HCI Researcher, 07/2023 – 08/2025

- Worked with an interdisciplinary research team (psychology, statistics, and public health) in both the U.S. and China to assess college students' mental health in China, maintaining communication through WeChat and regular meetings in both the U.S. and China.
- Developed research protocol, conducted and evaluated interviews with 13 college therapists in Chinese.
- Sole HCI designer and worked with a software developer to develop a functional prototype of a digital mental health application, hosted as a WeChat mini program.
- Created qualitative survey questions and helped identify usability scales to evaluate digital mental health interventions (i.e., DBT and SSIs) among 1500+ college students in China.
- Adapted and translated English digital mental health interventions to Chinese for pilot studies.

Asian Mental Health Collectives (AMHC)
Researcher, 06/2022 – 08/2025

- Collaborated with another PhD student to create a co-design protocol and facilitated 5 sessions of co-design workshops virtually on Zoom.
- Conducted and analyzed 4 focus groups to understand the Asian American mental health experience and the technologies used to manage mental health challenges.
- Developed new research ideas for AMHC, including program evaluation strategies.

Empathetic Research Lab, University of Michigan, Ann Arbor, MI
Research Assistant, 10/2018 – 05/2019

- Conducted literature review for independent study on child-centered approach in behavioral interventions for children with special behavioral needs.
- Led a team of 4 to design protocol, conduct interviews, and analyze results.

TEACHING EXPERIENCE

University of California, Irvine, CA
Instructor of Record, 06/2026 – 09/2026

- Taught Informatics 131 (Introduction to HCI) to 34 undergraduate students.
- Adapted existing curriculum to include in-class activities that demonstrate and encourage the appropriate use of AI at each stage of the design process.
- Designed and ran 4 Figma workshops throughout the quarter for students to learn and practice design and prototyping skills, starting with an introduction to Figma and its functionality to finishing with an exploration of Figma Make.

Instructor of Record, 03/2025 – 06/2025

- Taught ICS 4 (Designing Computing Technologies for People) to 178 undergraduate students.
- Designed curriculum to include relevant HCI topics such as ubiquitous computing, AR/VR, accessibility, and design process.
- Managed and coordinated 3 teaching assistants (TAs) for grading, facilitating group activities during class, and answering students' questions and requests relevant to course materials.

Teaching Assistant, 09/2021 – 12/2021

- Answered project related questions over Slack for a graduate level asynchronous course.
- Mentored graduate students enrolled in a professional HCI Master's program through office hours and scheduled meetings.

Purdue University, West Lafayette, IN
Guest Lecturer, 02/13/2024

- Delivered a lecture for an undergraduate-level course, CS475-HCI, comparing my industry and academic experiences in HCI.

University of Michigan, Ann Arbor, MI
Graduate Student Instructor, 09/2018 – 05/2019

- Led a team of 4 graduate student instructors to create testing materials and manage testing logistics for 300 undergraduate students.
- Taught over 75+ students on Introduction to Cognitive Psychology through 3 discussion sections for 2 semesters.

PROFESSIONAL UX DESIGN EXPERIENCE

NowPow (a Unite Us company), Chicago, IL
Product Designer, 05/2019 – 08/2021

- Sole user experience researcher and designer supporting 5 different products; designed and near-launched a new product.
- Led user research through interviews, usability testing, and participatory design, ranging from 10 to 15 sessions each month.
- Created a design system to increase hand-off efficiency and design consistency, which includes a UI kit built with Adobe XD.
- Collaborated with product managers, developers, QA, and customer success to validate designs, prioritize features, and determine product directions.

TechSmith Corporation, Okemos, MI

UX Designer Intern, 06/2018 – 08/2018, 01/2019 – 04/2019

- Primary UX designer in the early stage of the product cycle, defined project scope and user groups using methods such as comparative analysis.
- Created designs for the 2019 update of Camtasia, a video editing desktop application.

University of Michigan, Ann Arbor, MI

Instructional Designer, 10/2017 – 06/2018

- Conducted 6 usability testing by surveying users about potential improvements, having 3 peer reviews with other designers, and assessing overall accessibility.
- Drafted and revised course modules on Canvas to increase engaged learning experiences for undergraduate students.

AWARDS AND HONORS

- Dissertation Completion Fellowship, 2025 (University of California Irvine, School of Informatics and Computer Science)
- Grad Slam Semi-finalist, 2025 (University of California, Irvine, Graduate Division)
- Grad Slam Semi-finalist, 2024 (University of California, Irvine, Graduate Division)
- Mental Health for College Students Hackathon Finalists, 2022 (University of California, Irvine, ANTrepreneurship Center)
- Chair Award, 2021 (University of California, Irvine)
- Graduation Commencement Speaker, 2019 (University of Michigan School of Information)
- Half Merit Scholarship, 2017 – 2019 (University of Michigan School of Information)
- Volunteer of the Year Award, 2017 (Western Region Robotics Forum)
- President Scholar, 2016 – 2017 (San Jose State University)
- NSF Research Experiences of Undergraduate Fellowship, 2016 – 2017 (San Jose State University)

SERVICES

Reviewer Experience

2026: Social Sciences & Humanities Open, ICWSM, Mensch und Computer, Interactive Health, DIS, CHI
2025: UIST, DIS, JMIR Mental Health, CHI, CSCW, HRI
2024: CHI, Frontiers in Psychiatry (Digital Mental Health), International Journal of Human-Computer Interaction
2023: CSCW

Leadership Experience

- Co-President, The Equity and Action Special Interest Group (SIG) at ISRII, 08/2024 – 08/2026
- President, Informatics Graduate Student Association (IGSA) at the University of California, Irvine, 04/2024 – 04/2025
- Communications Chair, Informatics Graduate Student Association (IGSA) at the University of California, Irvine, 03/2023 – 04/2024
- Southern California Regional Planning Committee Member, For Inspiration and Recognition of Science and Technology (*FIRST*), 08/2022 – Present
- FRC Judge Advisor, For Inspiration and Recognition of Science and Technology (*FIRST*), 08/2022 – Present
- Coach/Mentor for students aged 8 to 18, For Inspiration and Recognition of Science and Technology (*FIRST*), 08/2014 – 08/2023
- Lead Graduate Student Instructor, University of Michigan, 09/2018 – 05/2019
- President, Learning Education Technology at the School of Information (LETSI) at the University of Michigan, 09/2018 – 05/2019

Volunteer Experience

- Judge for Project Team Demos, Design at UCI, 03/2025 – Present
- Judge for Design Exposition, University of Michigan Ann Arbor, 03/2024 – Present
- Member of Communications Committee, Society of Digital Mental Health (SDMH), 04/2024 – Present
- Event Volunteer (Judge, Referee, Announcer, etc.), For Inspiration and Recognition of Science and Technology (*FIRST*), 09/2014 – Present
- Graphic Designer, Asian Mental Health Collective (AMHC), 01/2023 – 08/2025
- Research Team Member, Asian Mental Health Collective (AMHC), 06/2022 – 08/2025

- Newsletter Designer, National Alliance of Mental Illness Washtenaw County (NAMI-WC), 06/2021 – 10/2025
- Student Volunteer, DIS 2024
- Student Volunteer, CHI 2024
- Student Volunteer, CSCW 2023
- Student Volunteer, DIS 2022

MENTORSHIP EXPERIENCE

PITCH Lab, University of California, Irvine

PhD Mentor, 09/2023 – Present

At PITCH lab, each undergraduate and master's student is assigned a PhD mentor to provide guidance on conducting research and professional development (e.g., research method design, interviewing skills, scholarly writing). These are students I have mentored, who have successfully defended their thesis.

- Athena R. V. (Undergraduate)
- Nai-Yu C. (Master's)
- Jia-Yu Y. (Master's)

TEAM Lab, University of California, Irvine

PhD Mentor, 06/2025 – 08/2026

- Christine, W. (Undergraduate)

San Jose State University

Alumni Mentor for Undergraduate Students, 02/2022 – 08/2025

- Monique T.
- Rio Y. M.
- Leilani T.
- Chi N.
- Charlene K.
- Nora S.

University of Michigan

Alumni Mentor, 08/2020 – 08/2025

University of Michigan School of Information

Information Mentor for Prospective Students, 09/2017 – 06/2019

SKILLS

Language (Fluent)

English
Chinese: Mandarin
Chinese: Cantonese
HTML/CSS

Application

Figma/FigJam
Adobe XD
Voice Flow
Microsoft Office

Research Method

Affinity Diagram
Card Sorting
Interview
Contextual Inquiry
Participatory Design
Personas
Empathy Map
Survey Design/Analysis
Usability Testing