

Emily Q. Wang

Department of Computer Science
King Building 139A
10 North Professor Street
Oberlin College, Oberlin, OH 44074
ewang1@oberlin.edu
<https://greenteawarrior.github.io>

Current Position

Oberlin College

Summer 2022 - Present

Assistant Professor of Computer Science

Courses: Game Design; Inclusive Technology Design; Introduction to Computer Science

Education

Northwestern University

Spring 2022

Ph.D., Technology and Social Behavior (joint Computer Science and Communication Studies)

Committee: Anne Marie Piper (chair), Marcelo Worsley, Michael Horn, Kathryn Ringland, Sara Hendren

Dissertation: Reimagining Neurodiverse Academics: A Case Analysis and Co-Design with Dyslexic Adults

Northwestern University

Summer 2021

M.Sc., Technology and Social Behavior (joint Computer Science and Communication Studies)

Olin College of Engineering

Spring 2016

B.S., Engineering with a Concentration in Computing

Self-designed major with computer science, electrical engineering, human-centered design, and psychology

University of Edinburgh

Spring 2015

Visiting student at School of Informatics

Peer-Reviewed Publications

Emily Q. Wang and Anne Marie Piper. 2022. The Invisible Labor of Access in Academic Writing Practices: A Case Analysis with Dyslexic Adults. In *Proceedings of the ACM on Human-Computer Interaction*, Vol. 6, No. CSCW1, Article 120, April 2022. 25 pages. <https://doi.org/10.1145/3512967>

Kit Martin, **Emily Q. Wang**, Connor Bain, and Marcelo Worsley. 2019. Computationally Augmented Ethnography: Emotion Tracking and Learning in Museum Games. In *Advances in Quantitative Ethnography (Communications in Computer and Information Science)*: 141–153. https://doi.org/10.1007/978-3-030-33232-7_12
Honorable Mention for Best Student Paper Award

Kit Martin, **Emily Q. Wang**, Connor Bain, and Marcelo Worsley. 2019. Analyzing Affective States Alongside Qualitative Analysis. *Companion Proceedings for the 9th International Conference on Learning Analytics & Knowledge (LAK19)*.

Emily Q. Wang and Anne Marie Piper. 2018. Accessibility in Action: Co-Located Collaboration among Deaf and Hearing Professionals. In *Proceedings of the ACM on Human-Computer Interaction*, Vol. 2, No. CSCW, Article 180, November 2018. 25 pages. <https://doi.org/10.1145/3274449>

Workshops, Posters, and Talks

Paths of Allyship: Communication Preferences and Adapting Qualitative Research Methods with Disabled Bodyminds. Co-authored with Kathryn E. Ringland. Position paper for Nothing About Us Without Us: Investigating the Role of

Critical Disability Studies in HCI at the ACM CHI Conference on Human Factors in Computing Systems (CHI) 2020 (Cancelled due to COVID-19 pandemic).

Investigating Accessibility in the Writing Process with Dyslexic Adults. Doctoral Consortium at the ACM Conference on Computers and Accessibility (ASSETS) 2019 Conference. October 26-30, 2019.

Investigating Accessibility in the Writing Process with Dyslexic Adults. Presentation at the University of Chicago Disability Studies Workshop. November 13, 2019.

Co-located Collaborative Accessibility. Workshop presentation and prototype demonstration at Enabling and Understanding Embodied STEM Learning Workshop at the Computer Supported Cooperative Learning (CSCL) 2017 Research Conference. June 18, 2017.

Co-located Collaborative Accessibility in Deaf and Hearing Teams. Presentation at the University of Chicago Disability Studies Workshop. May 19, 2017.

Open Style Lab. Presentation at the Boston Museum of Science. October 24, 2015.

Open Style Lab Final Showcase. Presentations and prototype demonstrations at the MIT Museum. August 15, 2015.

Selected Other Publications

Building with Purpose: How to craft a PhD in ethical tech. Co-authored with Sara Hendren. Article for the Olin College of Engineering website. August 16, 2022. <https://www.olin.edu/articles/building-purpose-how-craft-phd-ethical-tech>

Teaching

Instructor of Record

CSCI 361 - *Game Design*. Oberlin College Department of Computer Science. Fall 2023.

CSCI 327 - *Inclusive Technology Design*. Oberlin College Department of Computer Science. Spring 2023.

CSCI 150 - *Introduction to Computer Science*. Oberlin College Department of Computer Science. Fall 2022, Spring 2023, Fall 2023.

Professional Development

Teaching Certificate Program. Northwestern University Searle Center for Advancing Teaching and Learning. Fall 2022 through Spring 2023.

Invited Teaching

Guest research lecturer in CSCI 150 - *Introduction to Computer Science* by Professor Molly Feldman and Professor Adam Eck. Oberlin College Department of Computer Science. Fall 2022, Spring 2023.

Guest expert panelist in CIS 330 - *Human-Computer Interaction* by Jessica Feuston. Northwestern University School of Professional Studies. Winter 2019.

Workshop Instructor

COMM_ST 159 - *Computing Everywhere: Social Web Programming*. Northwestern University Department of Communication Studies. Fall 2017.

COMM_ST 159 - *Computing Everywhere: Introduction to Hardware in Our Everyday Lives*. Northwestern University Department of Communication Studies. Spring 2017.

Teaching Assistant

COMP_SCI 397 / LRN_SCI 309 - *Inclusive Making*. Northwestern University Departments of Computer Science and Learning Science. Winter 2021.

ENGR 2410 - *Computer Architecture*. Olin College of Engineering. Fall 2014.

ENGR 1200 - *Design Nature*. Olin College of Engineering. Fall 2013.

Fellowships and Grants

National Science Foundation Graduate Research Fellow

2016 - 2021

[*\$34,000 per year*] Support for 3 years of annual stipend and tuition and freedom to conduct independent research at any accredited U.S. institution graduate education program.

SIGACCESS Diversity & Inclusion Scholarship

Fall 2020

[*\$50*] Competitive grant for associated costs of attending the virtual 2020 ACM Conference on Computers and Accessibility (ASSETS '20).

Northwestern University Graduate Research Grant

Spring 2019 - Spring 2020

[*\$3000*] Competitive grant to support research on the accessibility of writing tools with dyslexic adults.

ASSETS Doctoral Consortium Support Grant

Fall 2019

[*\$350*] Competitive grant for associated costs of participating in the 2019 ACM Conference on Computers and Accessibility (ASSETS '19).

Grace Hopper Celebration Scholarship Grant

Fall 2016

[*\$1000*] Competitive grant for associated costs of attending the Grace Hopper Celebration.

Clare Boothe Luce Research Fellow

Summer 2014 - Spring 2015

[*\$4000*] Competitive fellowship for undergraduate research experience at Olin College Machine Learning & Crowdsourcing Lab.

Students Mentored

Lily Barghi, Master's student in Computer Science at Northwestern.
Now a software engineer at AT&T.

Spring 2019 - Winter 2019

Rochelle Compendio, Undergraduate student in Computer Science at Northwestern.
Now a software engineer at Expedia Group.

Summer 2018

Emma McDonnell, Undergraduate student in Computer Science at Northwestern.
Now a PhD student in Human-Centered Design and Engineering at the University of Washington.

Spring 2017 - Summer 2017

Molly Van Gorp, Student at New Trier Township High School.
Now an undergraduate student at the University of Chicago.

Fall 2016 - Winter 2017

Service

Professional Service

Peer Reviewer

2017 - Present

ACM CSCW 2021 Full Papers
ACM CHI 2021 Full Papers
ACM CSCW 2020 Full Papers —Recognition for Outstanding Reviews
ACM CHI 2020 Late-Breaking Work
ACM CHI 2020 Full Papers
InfoSocial 2017

Conference Organizing Committee Member

2016 - 2019

PyCon 2019, Accessibility Chair
PyCon 2018, Accessibility Chair
PyCon 2017, Accessibility Chair
InfoSocial 2017, Accessibility Chair

Departmental Service

At Oberlin College

Technology Career Exploration Workshops Co-Facilitator
 Hiring Committee Member
 Honors Committee Member

Fall 2022 - Present
Fall 2022 - Present
Fall 2022 - Present

At Northwestern University

Interdisciplinary Disability Writing Group Co-Lead
 Online Community Admin for Technology & Social Behavior PhD Student Slack
 Cross-Department HCI Event Planning Co-lead

Summer 2020 - Spring 2022
Fall 2016 - Spring 2022
Fall 2017 - Fall 2020

Community Engagement**Brave Space Alliance Accessibility Consultant**

Spring 2021 - Summer 2021

Collaborated with Director of Communications to develop guides for accessible social media practices and explore the intersections of disability, queerness, and race.

Adaptive Climbing Group Volunteer

Summer 2018 - Fall 2019

Volunteered as a belayer and side climber at weekly meetups for rock climbers with disabilities.

CD2BIT (Chicago Deaf and DeafBlind in Tech) Collaborator at Chi Hack Night

Spring 2017 - Fall 2018

Participated in design and development of accessible technology with the local Deaf community.

BraveCamps Design and Coding Coach

Summer 2017

Facilitated design and programming activities for middle school girls in a summer camp curriculum about computing, human-centered design, and leadership.

Open Style Lab Engineering Fellow

Summer 2015 - Fall 2015

Participated in design program to co-create assistive apparel in collaboration with fashion designers, occupational therapists, and people with disabilities.