

JANE HSIEH

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EDUCATION

Carnegie Mellon University PhD candidate in Software Engineering August 2020 - Present
Oberlin College Bachelor of Arts Degree in Computer Science (High Honors) August 2016 - May 2020
and Mathematics, with a Concentration in Cognitive Science (CS Major) GPA: (3.77) 3.71

PUBLICATIONS & PREPRINTS

1. **Jane Hsieh**, Miranda Karger, Lucas Zagal, Haiyi Zhu, “Co-Designing Alternatives for the Future of Gig Worker Well-Being: Navigating Multi-Stakeholder Incentives and Preferences”, *Designing Interactive Systems Conference, DIS '23*, Pittsburgh, PA, Preprint.
2. **Jane Hsieh**, Oluwatobi Adisa, Sachi Bafna, Haiyi Zhu, “Designing Individualized Policy and Technology Interventions to Improve Gig Work Conditions”, *Annual Symposium on Human-Computer Interaction for Work 2023, CHIWORK '23*, Oldenburg, DE, Preprint.
3. **Jane Hsieh**, Yili Hong, Gordon Burtch, Haiyi Zhu, “A Little Too Personal: Effects of Standardization versus Personalization on Job Acquisition, Work Completion, and Revenue for Online Freelancers”, *CHI Conference on Human Factors in Computing Systems, CHI '22*, New Orleans, LA, ACM DL.
4. Michael Xieyang Liu, **Jane Hsieh**, Nathan Hahn, Angelina Zhou, Emily Deng, Shaun Burley, Cynthia Taylor, Aniket Kittur, Brad A. Myers, “Unakite: Scaffolding Developers’ Decision Making About Trade-offs through Capturing and Organizing Web Resources”, *ACM Symposium on User Interface Software and Technology, UIST'19*, New Orleans, LA, October 20-23, 2019. pp. 67-80. ACM DL and local pdf. **Best Paper Honorable Mention Award** from the ACM Symposium on User Interface Software and Technology, UIST'19 (top 6 out of 93 accepted papers).
5. Michael Xieyang Liu, Nathan Hahn, Angelina Zhou, Shaun Burley, Emily Deng, **Jane Hsieh**, Aniket Kittur and Brad A. Myers, “UNAKITE: Support Developers for Capturing and Persisting Design Rationales When Solving Problems Using Web Resources”, *DTSHPS'18 Workshop on Designing Technologies to Support Human Problem Solving* (DTSHPS'18) at VL/HCC'2018. Oct. 1, 2018. p. 25. extended abstract or full proceedings.
6. **Jane Hsieh**, Michael Xieyang Liu, Brad A. Myers, Aniket Kittur, “Poster: An Exploratory Study of Web Foraging to Understand and Support Programming Decisions,” *2018 IEEE Symposium on Visual Languages and Human-Centric Computing* (VL/HCC'18), October 1 - 4, 2018, Lisbon, Portugal. pp. 305-306. IEEE DL and local pdf.
7. Yumi Ijiri, Kathryn L. Krycka, Ian Hunt-Isaak, Hillary Pan, **Jane Hsieh**, Julie A. Borchers, James J. Rhyne, Samuel D. Oberdick, Ahmed Abdelgawad, Sarah A. Majetich, “Correlated spin canting in ordered core-shell $\text{Fe}_3\text{O}_4/\text{Mn}_x\text{Fe}_{3-x}\text{O}_4$ nanoparticle polycrystalline assemblies,” *Physical Review B* 99(9). March 18, 2019. p. 094421. APS DL and local pdf.

TEACHING & MENTORING

TA for Human AI Interaction Course Fall 2022 and upcoming Fall 2023
Lectured, graded and held office hours for class of 40 students

Mentored Undergraduate Students

Mialy Rasetarinera & Erik Chou (HCII REU) Summer 2023
Miranda Karger & Lucas Zagal (HCII REU) Summer 2022
Joselyn Kim Fall - Spring 2021

Sophomore Opportunities & Academic Resources (SOAR) Leader	<i>Fall 2019 - Spring 2020</i>
Recruit participants and plan for winter retreat to provide students with resources for major declaration.	
Office hour holder, Grader and Tutor for Algorithms	<i>Fall 2018</i>
Led group workshops to guide students on homework problems twice per week and graded 20 responses.	
Lab helper for Introductory course in Python	<i>Spring 2017, 2018</i>
Assisted ≈ 20 students debug and find logical errors in weekly Python assignments	
Oberlin Workshop & Learning Sessions (OWLS) Leader for Algorithms	<i>Fall 2018</i>
Attended class to plan and lead interactive, non-traditional workshops (weekly)	
Advanced Chinese Drill Session Teacher	<i>Spring 2017</i>
Created lesson plans (after attending class) to lead weekly drills to help students improve speaking fluency	

EXPERIENCES

Data Science Consultant at Upwork Inc.	<i>Summer 2021 - ongoing</i>
Measuring and improving fairness within the platform, supervised initially by Sibor Lu	
	Remote
Software Engineer Intern on IBM's Toolbox Team	<i>Summer 2020</i>
Developed Slack and Github drivers for IBM's Support Portal	
	Raleigh, NC
Computer Science Honors Thesis	<i>Fall 2019-Spring 2020</i>
Constructing Effective Stack Overflow Questions, advised by Cynthia Taylor	
	Oberlin, OH
Extreme Blue Technical Intern, managed by Ross Grady	<i>Summer 2019</i>
Open-sourced terminal application for IBM's Multicloud Manager, defense patent application	
	Raleigh, NC
REUSE Research Assistant , advised by Brad Myers & Niki Kittur	<i>Summer 2018-2019</i>
UNAKITE Tool for Tabulated Decision Making, mentored by Michael Liu	
	Pittsburgh, PA
STRONG Research Program	<i>2016 - 2018</i>
Characterizing and Separating Magnetic Nanoparticles, advised by Yumi Ijiri	
	Oberlin, OH

HONORS/AWARDS

National Science Foundation Graduate Research Fellowship	<i>2022</i>
2020 Annual R.J. Thomas Award for an Outstanding Computer Science Student (\$500)	<i>2020</i>
Clare Boothe Luce Scholarship at Oberlin College	<i>Tuition scholarship for Fall 2018 - Spring 2019</i>
John F. Oberlin Scholarship	<i>2016 - 2020</i>
STRONG Scholarship & IB Diploma recipient	<i>Summer 2016</i>

SERVICE & VOLUNTEERING

Subcommittee Chair Assistant to Interaction Beyond the Individual Subcommittee	<i>CHI 2023</i>
Tech support and assistance to subcommittee chairs during and prior to PC meetings	
Member of the DPAC Undergrad Research Engagement Working Group	<i>Fall 2021 - ongoing</i>
Plan and organize research mixers and panels	
Web Dev for Digital Yearbook	<i>Summer 2020</i>
Designed and implemented visual layout to the digital yearbook using Omeka Classic, CSS, HTML and PHP.	
Uncovering Covid Workshop Leader	<i>Spring 2020</i>
Planned, trained for and led weekly discussions for 15 admitted Oberlin students on a half-module course exploring Covid-19 from a variety of disciplines. Attended weekly lectures by professors from 8 departments.	