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) and Mathematics, with a Concentration in Cognitive Science — August 2016 - May 2020 (CS Major) GPA: (3.77) 3.71

PUBLICATIONS & PREPRINTS

1. **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, Preprint.

2. 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).

3. 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.

4. **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.

5. 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 $Fe_3O_4/Mn_xFe_{3-x}O_4$ nanoparticle polycrystalline assemblies," *Physical Review B* 99(9). March 18, 2019. p. 094421. APS DL and local pdf.

EXPERIENCES

Data Science Consultant at Upwork Inc. — *Summer 2021 - ongoing*
Measuring and improving fairness within the platform, supervised initially by by Sibo Lu — Remote

Software Enginner Intern on IBM's Toolbox Team — *Summer 2020*
Developed Slack and Github drivers for IBM's Support Portal — Raleigh, NC

Computer Science Honors Thesis — *Fall 2019-Spring 2020*
Constructing Effective Stack Overflow Questions , advised by Cynthia Taylor — Oberlin, OH

Extreme Blue Technical Intern, managed by Ross Grady — *Summer 2019*
Open-sourced terminal application for IBM's Multicloud Manager, defense patent application — Raleigh, NC

REUSE Research Assistant, advised by Brad Myers & Niki Kittur — *Summer 2018-2019*
UNAKITE Tool for Tabulated Decision Making, mentored by Michael Liu — Pittsburgh, PA

STRONG Research Program — *2016 - 2018*
Characterizing and Separating Magnetic Nanoparticles , advised by Yumi Ijiri — Oberlin, OH

HONORS/AWARDS

National Science Foundation Graduate Research Fellowship 2022

2020 Annual R.J. Thomas Award for an Outstanding Computer Science Student ($500) 2020

Clare Boothe Luce Scholarship at Oberlin College *Tuition scholarship for Fall 2018 - Spring 2019*

John F. Oberlin Scholarship *2016 - 2020*

STRONG Scholarship & IB Diploma recipient *Summer 2016*

TEACHING, SERVICE & VOLUNTEERING

Member of the DPAC Undergrad Research Engagement Working Group *Fall 2021 - ongoing*
Plan and organize research mixers and panels

Web Dev for Digital Yearbook *Summer 2020*
Designed and implemented visual layout to the digital yearbook using Omeka Classic, CSS, HTML and PHP.

Uncovering Covid Workshop Leader *Spring 2020*
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.

Sophomore Opportunities & Academic Resources (SOAR) Leader *Fall 2019 - Spring 2020*
Recruit participants and plan for winter retreat to provide students with resources for major declaration.

Office hour holder, Grader and Tutor for Algorithms *Fall 2018*
Led group workshops to guide students on homework problems twice per week and graded 20 responses.

Computer Science Majors Committee Member *Fall 2018 - Spring 2020*
Organized department activities, updated committee websites, held weekly office hours

Lab helper for Introductory course in Python *Spring 2017, 2018*
Assisted $\approx$ 20 students debug and find logical errors in weekly Python assignments

Oberlin Workshop & Learning Sessions (OWLS) Leader for Algorithms *Fall 2018*
Attended class to plan and lead interactive, non-traditional workshops (weekly)

Advanced Chinese Drill Session Teacher *Spring 2017*
Created lesson plans (after attending class) to lead weekly drills to help students improve speaking fluency