JANE HSIEH

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EDUCATION

PhD in Software Enginnering from Carnegie Mellon University	August 2020 - Present
Bachelor of Arts from Oberlin College	August 2016 - May 2020
Majors in Computer Science and Mathematics, Concentration in Cognitive Sci.	(Major) GPA: (3.77) 3.71

EXPERIENCES

Support Portal at IBM *Summer 2020*

Software Enginner Intern on IBM's Toolbox Team Raleigh, NC

Conducted user research with administrators to reveal internal productivity painpoints and devise solutions

Developed drivers in Slack and Github to provide self-service features that normally require admin privileges

Interactive Terminal Application for IBM's Multicloud Manager *Summer 2019*

Extreme Blue Technical Intern, managed by Ross Grady Raleigh, NC

Conducted user research and developed vi-based tool for multicloud applications using Python's curses library

Co-created the multicloud-incident-response-navigator project, open-sourced on IBM's public cloud

UNAKITE Chrome Extension *Summer 2018-2019*

REUSE Program at Carnegie Mellon University, advised by Brad Myers & Aniket Kittur Pittsburgh, PA

Conducted user studies at the HCI institute, designed and implemented interface improvements using React

Published and presented findings at 2018 *VL/HCC* and continued research through remote collaboration

Characterizing and Separating Magnetic Nanoparticles *2016 - 2018*

STRONG Pre-First-Year Program, advised by Yumi Ijiri Oberlin, OH

Assisted in making design improvements for a nanoparticle separation channel after testing with a prototype

Used Jupyter Notebook to fit polarization-analyzed small-angle neutron-scattering data from 16 conditions

Analyzed and presented findings on behavior and interactions of manganese ferrite nanoparticles

Technical languages: Python, React & AngularJS, LaTex, Git, Java, C^{++}, CSS/HTML, Bash, Shell, Swift

VOLUNTEERING

Web Development for Digital Yearbook *Summer 2020*

Designed and implemented visual layout to the digital yearbook using Omeka Classic, CSS, HTML and PHP

Computer Science Majors Committee Member *Fall 2018 - current*

Organized department activities, updated committee websites, held weekly office hours

ACTIVITIES & AWARDS

IBM North America 2020 Intern Hackathon	*Summer 2020*
Teaching Assistant (office hour holder, grader, lab helper, dedicated tutor)	*Spring 2017 - current*
***Uncovering Covid* Course Workshop Leader**	*Spring 2020*
2020 Annual R.J. Thomas Award for an Outstanding Computer Science Student	$500
SOAR (Sophomore Opportunities & Academic Resources) Leader	*Fall 2019 - Spring 2020*
Clare Boothe Luce Scholarship at Oberlin College	*Fall 2018 - Spring 2019*
Honorary Mention 2017 in ACM ICPC East Central NA Regional Contest	*Fall 2017*
PennApps XVIII Hackathon	*Fall 2018*