

# JANE HSIEH

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## EDUCATION

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<b>Carnegie Mellon University</b> PhD in Software Engineering (in progress)	August 2020 - Present
<b>Oberlin College</b> Bachelor of Arts in Computer Science and Mathematics	August 2016 - May 2020
With a Concentration in Cognitive Science	(Major) GPA: (3.77) 3.71

## EXPERIENCES

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<b>Support Portal at IBM</b>	<i>Summer 2020</i>
<i>Software Engineer Intern on IBM's CIO Toolbox Team</i>	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	

<b>Interactive Terminal Application for IBM's Multicloud Manager</b>	<i>Summer 2019</i>
<i>Extreme Blue Technical Intern, managed by Ross Grady</i>	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	

<b>UNAKITE Chrome Extension</b>	<i>Summer 2018-2019</i>
<i>REUSE Program at Carnegie Mellon University, advised by Brad Myers &amp; Aniket Kittur</i>	Pittsburgh, PA
Conducted user studies at the HCI institute, designed and implemented interface improvements using <u>React</u>	
Published and presented findings at 2018 <i>VL/HCC</i> and continued research through remote collaboration	

<b>Characterizing and Separating Magnetic Nanoparticles</b>	<i>2016 - 2018</i>
<i>STRONG Pre-First-Year Program, advised by Yumi Ijiri</i>	Oberlin, OH
Assisted in making design improvements for a nanoparticle separation channel after testing with a prototype	
Used <u>Jupyter Notebook</u> 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

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<b>Web Development for Digital Yearbook</b>	<i>Summer 2020</i>
Designed and implemented visual layout to the digital yearbook using Omeka Classic, CSS, HTML and PHP	
<b>Computer Science Majors Committee Member</b>	<i>Fall 2018 - current</i>
Organized department activities, updated committee websites, held weekly office hours	

## ACTIVITIES & AWARDS

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