

# JANE HSIEH

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## EDUCATION

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**PhD in Software Engineering 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

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**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<sup>++</sup>, CSS/HTML, Bash, Shell, Swift

## VOLUNTEERING

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**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

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**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