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

PROJECTS

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 with internal Kubernetes operators to identify relevant painpoints
Developed vi-based tool for multicloud applications using Python's curses library and Agile practices
Co-created the multicloud-incident-response-navigator project, now 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

PUBLICATIONS

UNAKITE: Scaffolding Developers' Decision-Making Using the Web Best Paper Honorary Mention
An Exploratory Study of Web Foraging to Understand and Support Programming Decisions
Correlated spin canting in ordered core-shell $Fe_3O_4/Mn_xFe_{3-x}O_4$ nanoparticle ... assemblies
UNAKITE: Support Developers for Capturing and Persisting Design Rationales ...

ACTIVITIES & AWARDS

Teaching Assistant (office hour holder, grader, lab helper, dedicated tutor) *Spring 2017 - current*
Courses taught: Algorithms, Data Structures, Advanced Chinese and Introductory CS (in Python)

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

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

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

Computing Research Association for Women GHC Research Scholarship *Fall 2018*

Honorary Mention 2017 in ACM ICPC East Central NA Regional Contest *Fall 2017*