JANE HSIEH

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EDUCATION

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

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 the 2018 *VL/HCC* conference
Continued various user studies and analysis 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
Proceedings of the 32nd Annual ACM Symposium on User Interface Software and Technology

Poster: An Exploratory Study of Web Foraging to Understand and Support Programming Decisions
2018 IEEE Symposium on Visual Languages and Human-Centric Computing

Correlated spin canting in ordered core-shell $Fe_3O_4/Mn_xFe_{3-x}O_4$ nanoparticle polycrystalline assemblies *Physical Review B*

UNAKITE: Support Developers for Capturing and Persisting Design Rationales When Solving Problems Using Web Resources *2018 Workshop on Designing Technologies to Support Human Problem Solving*

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*