

Naomi Johnson

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SUMMARY	Aspiring Human-Computer Interaction PhD; current Microsoft software engineer with mixed-methods UX Research experience	
INDUSTRY EXPERIENCE	Software Engineer , Microsoft	May 2020 – Present
	<ul style="list-style-type: none">▪ Adding multi-stage review features to M365 Records Management▪ Designed and ran quantitative surveys and usability tests; recruited participants and coordinated details; analyzed data leading to 10 actionable tasks to improve search UX. Implementation resulted in first-time users' fatal errors decreasing from 33% to zero percent during the 2020 Hackathon	
	Explorer Intern , Microsoft	May 2018 – Aug 2018
	<ul style="list-style-type: none">▪ Created paper prototypes; recruited participants and coordinated schedules; interviewed 10 users to gather requirements before designing, implementing, and testing an error-tracking dashboard for the Satori knowledge graph AI pipeline. The site resulted in a savings of 120 hours per year on status checks and is still in use as of November 2020.	
RESEARCH EXPERIENCE	Creative Technologies Lab Intern , Adobe Research	Jan 2019 – Apr 2019
	<ul style="list-style-type: none">▪ Wrote algorithm to suggest graph type, generate updated graph, and explore data by determining relationships between a graph and a new dataset, resulting in a new feature for Data Illustrator	
	Research Assistant , Brigham Young University	Nov 2016 – May 2018
	<ul style="list-style-type: none">▪ Recruited participants; designed an unmoderated scalable study; coordinated compensation and study details; analyzed quantitative data from A/B/C testing to determine if data and/or video made users more efficient annotators; published results at UbiComp (2018) and with Springer (2019)▪ Recruited participants and coordinated all study details; designed and ran quantitative study about students' experience in the Computer Science department, published research at FIE (2019, 2019)	
	Research Assistant , Stanford University	Jun 2017 – Aug 2017
	<ul style="list-style-type: none">▪ Ran card sorting interviews and usability studies resulting in 20 actionable tasks to simplify the menu of the novice web developer tool.▪ Desk research to inform design of usability study; data collection for usability testing of web designer tool; technical writing for the research paper published at CHI (2018) and with Springer (2020)	
EDUCATION	University of Virginia , Charlottesville, Virginia	Aug 2018 – May 2020
	<ul style="list-style-type: none">▪ B.A., Computer Science and Japanese; 3.44 GPA▪ Relevant coursework: Databases, Web Development, Applied Machine Learning, Statistics, Feminist Theories, Lost and Found in Translation, Public Speaking	
	Brigham Young University , Provo, Utah	Sep 2016 – Apr 2018
	<ul style="list-style-type: none">▪ Two years' undergraduate studies in Computer Science and Japanese; 3.68 GPA▪ Relevant coursework: Data Structures, Discrete Structures, Advanced Programming, Calculus	
PUBLICATIONS	K. Tanner, <u>N. Johnson</u> , J. Landay, "Poirot: A Web Inspector for Designers," in <i>Design Thinking Research: Investigating Design Team Performance</i> , Nov 2020. https://www.springer.com/gp/book/9783030289591	
	<u>N. Johnson</u> , R. Moulder, and K. Seppi, "A Longitudinal Analysis of Gender and Academic Performance Effects on Student Confidence," in <i>2019 IEEE Frontiers in Education Conference (FIE)</i> , Cincinnati, Ohio. Oct 2019.	
	<u>N. Johnson</u> , J. Garcia, and K. Seppi, "Women in Computer Science: Changing the Women or Changing the World?," in <i>2019 IEEE Frontiers in Education Conference (FIE)</i> , Cincinnati, Ohio Oct 2019.	

- N. Johnson M. Jones, K. Seppi, L. Thatcher, “Understanding How Non-Experts Collect and Annotate Activity Data,” in *Human Activity Sensing: Springer Series in Adaptive Environments*. Springer, Cham. Sep 2019. https://link.springer.com/chapter/10.1007/978-3-030-13001-5_7
- K. Tanner, N. Johnson, J. Landay, “Poirot: A Web Inspector for Designers,” in *Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems (CHI '19)*., ACM, New York, NY, USA, 1424-1433. May 2019. <http://doi.acm.org/10.1145/3290605.3300758>
- M. Jones, N. Johnson, K. Seppi, L. Thatcher, “Understanding How Non-Experts Collect and Annotate Activity Data,” in *Proceedings of the 2018 ACM International Joint Conference and 2018 International Symposium on Pervasive and Ubiquitous Computing and Wearable Computers (UbiComp '18)*. ACM, New York, NY, USA, 1424-1433. Oct 2018. <https://doi.org/10.1145/3267305.3267507>

TEACHING EXPERIENCE

- Teaching Assistant**, Human Computer Interaction in Software Development Aug 2018 – Dec 2018
- Ranked highest of five TAs in both knowledge of course content and teaching skills
 - Supervised students’ group work, held office hours, graded projects
- Teaching Assistant**, Introduction to Computer Programming Aug 2016 – Dec 2016
- Instructed lab help sessions to groups of up to 40 students about arrays, classes, and pointers
 - Tutored students one-on-one and teaching debugging skills

PROFESSIONAL SERVICE

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| Microsoft Mentoring for CS Undergrads, Mentor | 2020–Present |
| University of Virginia Society of Women Engineers (SWE), Mentor | 2019–2020 |
| University of Virginia Women in Computer Science (WiCS), Mentor | 2019–2020 |
| IEEE Frontiers in Education Conference (FIE), Reviewer | 2019 |
| ACM Technical Symposium on Computer Science Education, Reviewer | 2018 |
| CS Department Undergraduate Committee, Undergraduate Representative | 2018 |

AWARDS & SCHOLARSHIPS

- Yext Grace Hopper Conference Student Scholarship (Orlando, Florida) Sep 2020
Awarded funding for transportation, registration fee, and room & board
- Microsoft AI for Earth grant (Redmond, Washington) Jul 2019
Awarded \$15,000 in Azure computing resources for image segmentation research project
- Scholarship to Women in Cyber Security 2019 Conference (Pittsburgh, Pennsylvania) Mar 2019
Awarded funding for registration fee and room & board
- Anita Borg Institute Grace Hopper Conference Student Scholarship (Houston, Texas) May 2018
Awarded funding for transportation, registration fee, and room & board
- BYU Undergraduate Research Grant (Provo, Utah) Feb 2018
Awarded \$1,500 grant to pursue CS research
- Adobe Research Women in Technology Scholarship recipient (San Jose, California) Jan 2018
Awarded \$10,000 scholarship for tuition and work in CS research
- BYU CS Research Conference Scholarship (Provo, Utah) May 2017
Awarded \$2,000 scholarship to attend ACM’s CHI research conference

CAMPUS ACTIVITIES

- Computer and Network Security club (CNS)** Aug 2018 – Dec 2019
- Attended weekly practices to prepare for regional competition
 - Competed in MetaCTF at the University of Virginia (Oct 2018), 14th place out of 55 teams
 - Participated in PatriotCTF at George Mason University (Nov 2018), 9th place out of 15 teams
 - Attended weekly practices to prepare for regional competition
- Association of Computing Machinery (ACM)** Sep 2016 – Apr 2018
- Served as president (2018), vice president (2017), and website developer (2016)
 - Coordinated with Major League Hacks (MLH) for BYU ACM’s first ever 24 hour hackathon
 - Responsible for supervising ten officers and a \$8,000 budget
 - Planned networking events with as many as 10 companies and over 200 students per event