Naomi Johnson

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EDUCATION	**University of Virginia**, Charlottesville, Virginia — May 2020

University of Virginia, Charlottesville, Virginia   May 2020
- B.A., Computer Science
- Relevant coursework: Databases, Web Development, Applied Machine Learning

Brigham Young University, Provo, Utah   2016 – 2018
- Relevant coursework: Data Structures, Discrete Structures, Advanced Programming, Calculus

SKILLS

Computer Languages
- Python, R, MySQL, JavaScript, C++, Java, HTML5/CSS3, LaTeX

RESEARCH EXPERIENCE

Creative Technologies Lab Intern, Adobe Research   Jan 2019 – Apr 2019
- Created prototype of new features for Data Illustrator, a GUI for creating data visualizations
- Created algorithm to determine relationships between a graph and a new dataset
- Applications include automatically creating an updated graph, suggesting graph types, exploring data

Research Assistant, Brigham Young University   Nov 2016 – May 2018
- Developed front end for vat.cs.byu.edu, a video annotation tool (VAT) to process data for ML
- CITI/IRB certified, planned and ran user study to test the UI/UX of VAT
- Graphed and analyzed data from study, lead team to write paper for UBICOMP submission

Research Assistant, Stanford University   Jun 2017 – Aug 2017
- Developed algorithms to take raw data about website aesthetics to output website rankings
- Collaborated on www.juxxt.io, website design tool, using HTML/CSS/ES6
- Designed and ran user studies, second author on published paper (CHI 2019)

WORK EXPERIENCE

Explorer Intern, Microsoft   May 2018 – Aug 2018
- Designed, built, and tested dashboard to track errors in AI pipeline
- Expected savings of 120 hours per year on status checks
- Hosted 12 weekly lunches for interns to learn about different software engineering careers at Microsoft

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

PUBLICATIONS

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

AWARDS & SCHOLARSHIPS	▪ Scholarship to Women in Cyber Security 2019 Conference (Pittsburgh, Pennsylvania) Mar 2019 Awarded funding for conference fee, room & board to attend WiCys 2019 in Pennsylvania
	▪ Anita Borg Institute Grace Hopper Conference Student Scholarship (Houston, Texas) May 2018 Awarded funding for plane ticket, conference fee, room & board to attend GHC 2018 in Texas
	▪ 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 Computer Human Interaction (CHI) research conference

CAMPUS ACTIVITIES

Computer and Network Security club (CNS)   Aug 2018 – Present

- 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

International Collegiate Programming Contest (ICPC)   Aug 2018 – Present

- Attended weekly practices to prepare for regional competition

Association of Computing Machinery (ACM)   Sep 2016 – Apr 2018

- Served as president, vice president, and networking officer over the course of tenure
- Coordinated with Major League Hacks (MLH) for BYU ACM's first ever 24 hour hackathon
- Responsible for supervising ten officers and a $8,000 semester budget
- Planned networking events with as many as 10 companies and over 200 students per event