Janet Ruppert

Boulder, CO | janet.ruppert@colorado.edu | 504.952.0696 | LinkedIn:/janet-ruppert-1bb7a1225/

EDUCATION

PhD Information Science, emphasis in Educational Technology   (expected) 2023
University of Colorado Boulder   GPA: 4.0/4.0

BS Management Information Systems   2018
University of Alabama, Tuscaloosa

SKILLS

Languages: Java, C++, C#, PHP, Python, HTML, CSS, SQL
Frameworks/Databases: Laravel, MongoDB, mySQL, MariaDB
Software: Eclipse, MS Visual Studio, MAXQDA, XAMPP, Jupyter Notebooks
Human Languages: English and French (proficient), Mandarin Chinese (beginner)

PROFESSIONAL EXPERIENCE

Student Web Developer   May 2017-May 2018
U of A Housing and Residential Communities   Tuscaloosa, AL
- Managed work order update project from end to end, including initial design, development, and deployment in order to provide a more efficient web form with updated capabilities for volunteer coordination
- Developed PHP-based work order submission form by collecting technical and accessibility requirements and obtaining UX and UI metrics from Housing Department
- Coded new form using Laravel PHP framework and XAMPP database tools

Student Web Developer   Jan 2017-May 2017
U of A Office of Multimedia Services, University of Alabama   Tuscaloosa, AL
- Met with clients from various organizations to gather project requirements
- Employed WordPress tools to create and accordingly alter mock-ups for presentation to clients
- Implemented HTML, CSS, and PHP via WP platform to finalize the design and publish the websites
- Improved user experience of University websites through intentional, accessible, and secure design

Student Assistant   May 2016-Jan 2017
Technology Accessibility Initiative, University of Alabama   Tuscaloosa, AL
- Audited 100+ websites to assess accommodations according to the World Wide Web Consortium's Web Content Accessibility Guidelines (WCAG 2.0) using web tools and manual testing
- Generated reports of test results for University staff and web developers to ameliorate their sites, suggesting specific HTML code changes in order to conform to standards
- Created and managed an online database of information on 2,000+ University-hosted websites
- Collaborated with students, staff, and web developers to improve UX for people of all abilities

RESEARCH EXPERIENCE

Graduate Research Assistant   Aug 2018-present
University of Colorado Boulder   Boulder CO

Constructing Modern and Inclusive Trajectories for CS Learning   May 2020-present
Graduate Research Assistant
- Research supervised by Professor Benjamin R. Shapiro advancing practical and theoretical knowledge on designing CS learning critique and creativity around surveillance technologies with the goal of broadening youth participation and addressing contemporary topics of parallel and distributed computing from justice-centered perspectives
- Led a study of *Drag vs. AI* workshops that engaged nondominant teens in investigating and attempting to fool AI-powered facial recognition algorithms through makeup art
- Conducted and analyzed 12 in-depth interviews with teenagers on surveillant assemblages to understand ethical perspectives and impacts of these complex sociotechnical systems
- Organized and facilitated five in-person and virtual workshops on surveillance technologies framed in racial- and social-justice perspectives with community partners
- Supervised and mentored two undergraduate research assistants

- Built and maintained relationships with local community partners across public library systems, youth and family centers, and one LGBTQ+ resource center

Family Study on Digital Privacy   Jan 2019-May 2019
Graduate Research Assistant
- Research supervised by Professor Ricarose Roque and Dr. Monica Bulger of the Future of Privacy Forum Education and Innovation Foundation
- Assisted in research to interview children over the age of 9 and their parents to better understand how families think and make decisions about data privacy in schools
- Managed all study administrative aspects, e.g. recruitment and interview logistics
- Facilitated key research activities, e.g. IRB submission, protocol development, and literature review
- Oversaw data collection completion conducting over a dozen interviews with children and parents

Family Creative Learning   Aug 2018-Dec 2018
Graduate Research Assistant   Boulder, CO
- Research to facilitate and study an afterschool workshop series where nondominant families explore computing and tell their stories through coding together
- Aided in facilitation of a Scratch-based Family Creative Learning series at a local school
- Contributed to ethnographic research data collection through field note and analytic memo writing

Undergraduate Research Assistant   Summer 2017
Undergraduate Research in Intelligent Multimodal Human-Computer Interaction   Gainesville, FL
- Research supervised by Professor Kristy Boyer.
- Designed, completed, and presented a research project and accompanying poster
- Gathered information from 180+ reflection papers and 4 videos on pair programming
- Attended Computer-Supported Collaborative Learning 2017 conference in Philadelphia
- Assisted with other lab projects, e.g. PRIME joint project with North Carolina State University

TEACHING EXPERIENCE
Instructor   Summer 2019
University of Colorado Boulder   Boulder, CO
- Served as primary instructor of Computational Reasoning 1 for 15 graduate and undergraduate students, using a project-based curriculum to teach new programmers coding
- Implemented innovative curriculum with assignments like interactive game design and coding, data storytelling and visualization, engaging student framing coding as a creative medium

Graduate Teaching Assistant   Fall 2018, AY 2019
University of Colorado Boulder   Boulder, CO
- Facilitated the learning of 100+ students by leading two lab sections of INFO 1201 per term
- Created class materials still in use today and filled in for the instructor in lecture on occasion

Certified Instructor and **Local Club Founder**   2015-2016
Girls Who Code Tuscaloosa   Tuscaloosa, AL
- Founded and led local chapter in partnership with the Tuscaloosa Public Library
- Recruited three volunteer co-instructors and marketed club to parents and prospective members
- Taught four semesters of clubs an introductory Python programming course
- Leveraged my personal experience as a woman in CS to promote equity in the classroom through creative thinking, asking questions, taking risks, and adopting a growth mindset

RELEVANT COURSEWORK
K-12 Computer Science Education Research, Network Science, Interdisciplinary Ways of Knowing In HCI, Theories and Concepts in HCI, Design for Creativity and Learning, Principles of Internet Policy, Learning and Development with/in Media, Qualitative Research Methods in Media Studies