MELANIE TRAMMELL-WENGER

CONTACT

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EDUCATION

Virginia Tech
Masters of Computer Science, June 2019
GPA: 4.00, Human-Centered Design Certificate

Virginia Tech
Bachelors of Computer Science, Honors Scholar Diploma, May 2017
GPA: 3.94

RELEVANT COURSEWORK

COMPLETED ·
Interdisciplinary Research: Human Centered Design, Cultures of Design, Research Through Design, HCI Models and Theories, Human Information Processing, Software Engineering, Creative Computing Studio, Design of Information, Intro into GUI Programming/Graphics, Intro to HCI, Undergraduate Research, Independent Study

SKILLS

REQUIREMENTS GATHERING: Interviewing, Observation, Empathy
DESIGN/PROTOTYPING: Persona Development, Sketching, Wireframing
EVALUATION: Critique, Reflection, Iteration
PROGRAMMING LANGUAGES: HTML5, CSS3, Javascript, PHP, SQL, Java, C

PROJECTS

Jan. 2017 - June 2019

Engineering Identity - Graduate Research
- Developed an inquiry methodology for user study of student beliefs about engineering identity
- Leveraged grounded theory to analyze data and identify trends across 19 in-depth interviews
- Wrote thesis that showcases the complexity of students' perceptions and validates methodology as a HCI research tool

Aug. 2018 - Nov. 2018

Dog Journeys
- Art installation of a dog's journey to shelter, progress within, and goals for future
- Utilized ethnographic inquiry to empathize with all stakeholders and discover latent needs
- Used HCD approach to bridge disparate groups' interests: staff passion, customer wayfinding, expectation management and invitation to participate, dog cell anxiety and personality drawbacks

Aug. 2016 - Dec. 2016

Hidden Treasures
- Event sharing mobile app for New River Valley Area
- Motivation - research pointed to increasing event advertisement to generate economic stability and strengthen inter-community
- Collaborated to establish brand, define content and implement function with emphasis on information architecture

EMPLOYMENT

June 2018 - Aug. 2018

Silk Road Professionals LLC
UX Designer
Dehmoi Tajikistan
- Collaborated with project manager and users to establish target audience and requirements
- Led translation of desktop to mobile product and delivered high fidelity prototype
- First woman employee in efforts to diversify and bolster company
- Adopted language learning application to become intimately familiar with features

June 2017 - Aug. 2017

Research Innovations Inc
UX Designer
6363 Walker Ln, Alexandria, VA 22310
- Worked with cutting edge problems that involved complex data synthesis and sharing
- Integrated into a development team as primary UX delegate
- Improved project collaboration among stakeholders despite scaling and project maturity challenges
- Advanced efforts to introduce product domain to on-boarding developers

June 2016 - July 2016

SimonComputing
Intern Developer
5350 Shawnee Rd, Suite 200, Alexandria, VA 22312
- Built an eCommerce website to sell customizable raspberry pi cases
- Collaborated with team members to design overarching buying and selling process
- Used Full Stack Development - designed and implemented both front and back end

AWARDS

May 2019

Outstanding Graduate Teaching Assistant ·
Department of Computer Science
Awarded based on my dedication to teaching Intro to HCI:
- Lead strategic efforts to reflect and revamp course based on 3 years of experience
- Compiled Teaching Guide to train new TAs on class goals and structure
- Mentored individual students about graduate school, research, internships, courses, and mental health

May 2016

Outstanding Service to Campus
Department of Student Affairs
Awarded based on my service as Historian in my residence hall:
- Photographed and archived multiple residential events
- Compiled stories from residents past and present to create the HRC Story
- Voiced my concern regarding the HRC name change in my featured Pylon article

VOLUNTEER

Aug. 2019 - Current

LINC's Website Revamp · UX Design Consultant
- Motivation - interviews with users identified usability, informational and underutilized website concerns
- Helping restructure IA and increase usefulness of on-boarding and job search features for client