Jessica Lupanow

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EDUCATION

PhD, Computer Science
Human-Robot Interaction (HRI)
University of Southern California
Expected May 2023

BS, Engineering
with Distinction
Minor in Creative Writing
Harvey Mudd College
May 2018

SKILLS

Languages
C++
Python
MATLAB
HTML/CSS/JS

Design & Prototyping
Photoshop
Rapid prototyping
Storyboarding
Arduino

Collaboration
Spanish proficiency
Project management
Communication
Mentoring

RELEVANT ACADEMIC COURSES

Engineering Design & Manufacturing
Human-Robot Interaction
Communicating Science
Intro to Cognitive Science
Psychology of Collaboration
Project Management

WORK EXPERIENCE

Aug 2018 – Present

Interaction Lab at USC | Los Angeles, CA
NSF Doctoral Research Fellow
- Leading a team of 4 students in developing a socially assistive robotic tutoring system for teaching children with Autism Spectrum Disorder about empathy
- Designing interaction flows through storyboarding and computational modeling
- Creating accessible surveys with HTML/CSS/JS
- Advised by Dr. Maja J. Matarić

Aug 2017 – May 2018

Bobcat Company | Claremont, CA
HMC Clinic Project Team Leader
- Developed autonomous functions for construction vehicles to make complex operations more user-friendly, resulting in 2 patents
- Performed live demonstrations during site visits for stakeholders in Bismarck, ND
- Served as leader of 7 person team

Jun 2017 – Aug 2017

Northrop Grumman | Huntsville, AL
Technical Intern
- Designed a dashboard solution to support reoccurring performance reporting needs by working alongside executive stakeholders
- Wireframed with PowerPoint and Excel for walking stakeholders through dashboard functionality
- Practiced Agile methods on 4 person team

CLASS PROJECTS

Responsibility in HRI
Conducted user studies to determine the effect of human-like features on user attribution of responsibility for failures during collaborative tasks

Sleep Apnea Device
Used rapid physical prototyping and client interviews to design a sleep apnea device for a doctor at UC Irvine