

# Jessica Lupanow

jessicalupanow.com lupanow@usc.edu

## EDUCATION

### PhD, Computer Science

Human-Robot Interaction Focus  
University of Southern California  
Expected May 2023

### BS, Engineering with Distinction

Minor in Creative Writing  
Harvey Mudd College  
May 2018

## SKILLS

### Programming

C++  
Python  
MATLAB  
HTML/CSS/JS

### Design & Prototyping

Photoshop  
Rapid prototyping  
Storyboarding  
Arduino

### Collaboration

Spanish proficiency  
Project management  
Communication  
Mentoring

## RELEVANT COURSES

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

## EXPERIENCE

### Web Designer

Aug 2019  
Present

*Sentry Mirror | Valencia, CA*

- Modernizing the company's website through the creation of new media and [a full site redesign](#) while maintaining the desired information architecture
- Creating a more convenient shopping process for customers by incorporating eCommerce options (under development)

### NSF Doctoral Research Fellow

Aug 2018  
Present

*Interaction Lab at USC | Los Angeles, CA*

- Improving the social skill development of children with Autism Spectrum Disorder through the creation and testing of a socially assistive robotic tutoring platform
- Designing interaction flows through storyboarding and computational modeling
- Addressing the needs of children with Autism Spectrum Disorder in web-based activity creation
- Mentoring 5+ undergraduate and graduate students

### Technical Intern

Jun 2017  
Aug 2017

*Northrop Grumman | Huntsville, AL*

- Solved reoccurring performance reporting issues with a dashboard for managers and executives
- Wireframed with PowerPoint and Excel for walking stakeholders through dashboard functionality
- Practiced Agile methods on 4 person team

## PROJECTS

### Website Redesign for Small Business

Reinvigorating outdated website for local small business through user research, wireframes, regular design critiques, and usability testing (in progress)

### Responsibility in Human-Robot Interaction

Investigated the effect of human-like features on attribution of responsibility for failures during collaborative tasks