

# Xiaoxiang Ma

Product + Interaction Designer

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## Education

### Cornell University

Expected May 2021

B.S. Information Science

Minor in Game Design

Minor in Design and  
Environmental Analysis

## Skills

### Tools:

Sketch

Illustrator

Photoshop

Blender

InVision

HTML/CSS

Solidworks

### Design:

User Research

User testing

Sketching/Rendering

Storyboarding

Wireframing

Physical Prototyping

Physical Machining

## Activities

### Creative designer • *Guac Magazine*

Nov 2017 – Present

Design content & layouts for published  
travel magazines

### Content designer • *International*

*Students Union*

Sept 2017 – Present

Create graphic designs for International  
Gala and ongoing cultural events

### Airframe designer • *Cornell Rocketry*

Fall 2017

Designed separable wiring module for  
the recovery systems and structure of  
NASA SL competition rocket

## Experience

### Usability engineer/ UX designer • *Spect*

May 2018 – Present

- Design and render 3D animation for Spect market branding
- Conduct usability testing and user research in Smiths school BOCES to improve product strategy
- Designed digital UI for beta testing mobile app
- Developed front-end app integration in Unity

### Ergonomics engineer • *Cornell Baja*

September 2018 – Present

- Design body panels of an off-road vehicle to participate in the BAJA SAE competition
- Create CAD of thermoforming plugs for the body panels
- Constructed mannequin testing in Solidworks to acquire areas of discomfort

### Research Assistant • *Cornell HCI Design Lab*

June 2018 – Present

- Implement 10 needles in a 3D crochet machine to allow knitting of objects with a maximum cross section of 2 by 5 knots.
- Designed yarn extruding and yarn clamp mechanism for 3D crochet machine
- Created Gcode commands for extruder movement control
- Designed and fabricated extruder, gear racks, and motor brackets using 3D printing
- Created converter scripts to translate Fusion360 commands into Gcode