

# CATALINA JOHNSON

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## EDUCATION

### Industrial Design

#### Masters of Science | 2021

ArtCenter College of Design, Pasadena, CA

### Product Design

#### Summer Intensive | 2017

Parsons School of Design, New York, NY

### Mechanical Engineering

#### Bachelor of Science | 2012

Brigham Young University, Provo, UT

## AWARDS & RECOGNITION

### ArtCenter College of Design

Student Gallery - "Worth It" Piggy Bank | SP 2020

H. B. Edwards Endowed Scholarship | SP 2020

Student Leadership (SLED) Grant | SP 2020

Department Merit Scholarship Award | 2018-2021

### Brigham Young University

Women in STEM Career Conversations | 2016

Enriched Environment Scholarship | 2008-2012

Department Scholarship Award | 2008-2012

## SKILLS & INTERESTS

### Methods

Industrial Design, Interaction Design, Future Casting, Ethnographic Design Research, Concept Generation, Storytelling, Mockups, Product Strategy, FMEA, GD&T

### Materials

Rapid Prototyping, User Testing, Production Tool Kick-Off

### Software

SolidWorks, CATIA V5, Rhino, Unity, Figma, Sketch, Adobe Creative Suite

### Collaboration

Zoom, Google Meet, Webex, Slack, Google Suite, Miro

### Interests

Baking, Dogs, Neon Bending, Pizza

### Languages

English, Conversational Spanish

## EXPERIENCE

### Career & Professional Development Graduate Student Assistant

ArtCenter College of Design, Pasadena, CA | 01/2021 - Present

Spearheaded updates on interview tool for all ArtCenter departments. Revised student resumes, providing constructive feedback for various careers.

### Designer - Sponsored Google DesignStorm

Google, ArtCenter, Pasadena, CA | 11/17-19/2020

Selected to participate in a 3-day, collaborative DesignStorm sponsored by Google. Provided client with new visions to explore further in Google teams.

### Rapid Prototyping Teaching Assistant

ArtCenter College of Design, Pasadena, CA | 01/2019 - 04/2020

Coordinated submissions and maintained Markforged and Makeit 3D printers for all studio member projects and prototypes. Operated and maintained Roland CNC Machine for study and final appearance models.

### Designer - Sponsored Project - Design Matters

KidSpace Children's Museum, Pasadena, CA | 09/2019 - 12/2019

Designed concept for an open-ended, sensory play-based children's museum exhibit and community outreach program. Validated design with on site user research and testing with 30+ museum guests. Presented final concept, prototypes to 3 museum directors for approval.

### Product Development Engineer

Ford Motor Company, Dearborn, MI | 09/2014 - 05/2017

Directed 3D design team for CAD on 6 different trim levels. Kept costs for 117 parts under budget 10% of stretch targets. Collaborated regularly with 12 seat engineers, program management and suppliers around the globe for quality and production timelines. Managed and mentored 2 new engineers as lead engineer.

### Campus Recruiter

Ford Motor Company, Dearborn, MI | 08/2013 - 05/2016

Represented Ford on Brigham Young University Campus annually. Facilitated applications for over 40 applicants each year and identified interviewees. Led initiative for alumni mentoring to increase offer acceptance rate.

### Ford College Graduate Program

Ford Motor Company, Dearborn, MI | 09/2012 - 09/2014

Completed cross functional rotational program in 6 different teams throughout the product development cycle. Led design reviews, approval meetings, and regulatory testing for various milestones in product lifecycle.

### Collaborative Design & Manufacturing Researcher

Brigham Young University, Center for eDesign, Provo, UT | 04/2011 - 06/2012

Increased functionality in Multi-User CAD software research in National Science Foundation (NSF) funded research team. Researched collaborative behaviors & industry needs in the engineering workforce in onsite interviews.

### Engineer - Sponsored Capstone Project

Brigham Young University, Union Pacific Railroad, Provo, UT | 09/2011 - 04/2012

Developed and analytically tested attachments for locomotives to reduce aerodynamic drag by up to 6%; Reduced energy usage by more than 0.5%.

### Multicultural Student Services Assistant

Brigham Young University, Provo, UT | 12/2009 - 06/2011

Organized community workshops to inspire high school students, first generation college students prepare and apply for higher education. Managed volunteers, vendors, and publicity for campus and community cultural celebrations.

## VOLUNTEER EXPERIENCE

### Teacher (in person & via Zoom), Graphic Designer, Secretary

The Church of Jesus Christ of Latter-day Saints | 2016 - 2021

Prepared and led interactive discussions with members on zoom and in person. Designed posters and fliers for regional in-person and virtual events.