

# PRIYA MISNER

priyamisner.com    priyamisner@gmail.com    650 283 8181

## EDUCATION

**Tufts University, School of Engineering** Aug 2016 - May 2020

B.S in Mechanical Engineering, 3.66, *magna cum laude*, thesis honors

## SKILLS

d3.js  
Javascript  
HTML / CSS

React  
python  
MATLAB

Figma  
Adobe XD  
Adobe Illustrator

3D Printing  
SOLIDWORKS  
Blender

## WORK EXPERIENCE

**DATA VISUALIZATION DEVELOPER** Oct 2019 - present

**UrbanismX Research Group, Tufts University**

- Coded interactive geographic data visualizations using React, Mapbox deck.gl, and d3.js to visualize nationwide commuting and transit data
- Designing wireframes, interface mockups and page prototypes for data visualizations

**DATA VISUALIZATION DESIGNER** December 2020 - present

**Ready.Set.Excel.**

- Information design for reporting student results and analysis for an educational non-profit
- Facilitating user interviews via Zoom to validate data visualizations
- Creating interactive prototypes using Figma and d3.js in Observable notebooks

**TRANSPORTATION HUMAN FACTORS INTERN** June 2019 - Aug 2019

**Volpe National Transportation Systems Center**

- Recruited, and trained participants for ongoing studies on human-vehicle interaction
- Coded entire human factors driving simulation for a FRA-sponsored study on spatial awareness at railway crossings and communicated results to sponsor
- Created MATLAB application to analyze navigation data for GPS replacement & backup devices

**INTERN** February 2018 - May 2018

**Autonomous Marine Systems**

- Designed data visualization dashboard to analyze data coming off the drone's sensors

## RESEARCH EXPERIENCE

**FULBRIGHT SCHOLAR** suspended due to Covid-19

**Fulbright-Nehru Student Research Fellowship**

- Fully funded year-long fellowship in New Delhi, India in collaboration with the IIIT-Delhi's Weave Labs and SaveLIFE Foundation exploring the use of virtual reality to increase road safety

**RESEARCH ASSISTANT** Aug 2019 - May 2020

**Virtual Reality Driving, Tufts Human Factors Lab**

- Created VR driving simulator toolkit for use by researchers with no coding background
- Contributed to study design and drafting Institutional Review Board (IRB) proposal
- Conducted user research through interviews and usability testing during development of toolkit
- Managed four other research assistants and leading weekly check-in meetings for the project