

# Karan Shastri

## CONTACT

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## SKILLS

### Design

Persona  
Storyboarding  
Wireframing  
Prototyping  
Mock ups  
Workflows

### Research

Interview  
Contextual inquiry  
Focus groups  
Usability testing  
Qualitative analysis  
Statistical analysis  
Cognitive task analysis  
Decision centered design

### Tools

Balsamiq  
Invision  
NVivo  
Github  
SolidWorks  
LaTeX

### Development

HTML/CSS  
Javascript  
R  
SQL  
Java

### Activities and Hobbies

UW HFES, President  
Swimming  
Cooking

## WORK EXPERIENCE

### University of Waterloo, Graduate Student Researcher

April 2018 – August 2019 · Waterloo, ON

Determining needs for technology design for people with mild cognitive impairment at work (MCI@Work) [www.mciatwork.org](http://www.mciatwork.org).

Managed and co-designed five focus groups, piloted a cognitive task analysis-decision centered design model for product design.

Conducted user research and designing prototypes for people with mild cognitive impairment at the workplace.

### University of Waterloo, Teaching Assistant

May 2018 – May 2019 · Waterloo, ON

BME 162 (Winter 2019) – First year engineering undergraduate course TA: Human Factors in the Design of Biomedical and Health Systems.

Responsible for delivering weekly tutorials, managing design skill activities and grading seventy-five students' work.

BME 101L (Fall 2018) – First year engineering undergraduate course TA: Computer Aided Design.

Responsible for managing weekly lab sessions and grading seventy-five students' work.

MSCI 445 (Spring 2018) – Fourth year engineering undergraduate course TA:

Telecommunication Systems.

Responsible for delivering weekly tutorials, office hours and grading sixty-three students' work.

### Indian Institute of Science, Summer Research Intern

June 2016 – August 2016 · Bangalore, India

Designed and implemented machine learning algorithms to predict PBE bandgap values for compounds.

## EDUCATION

### University of Waterloo, MSc in Systems Design Engineering

2017-2019 · Waterloo, ON

Advisor: Dr. Jennifer Boger

Graduate Research Studentship and International Master's Student Award – Full-tuition merit scholarship.

AGE-WELL ACCESS Award 2018-2019 recipient.

### Alliance University, B.Tech in Computer Science and Engineering

2013-2017 · Bangalore, India

Final-year engineering project – Recommendation System for Movies.