

# 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 (freestyle)  
Cooking (working on my  
summer kombucha  
project)

## SUMMARY OF QUALIFICATIONS

- UX designer and researcher with a background in computer science.
- Building industry partnerships coupled with international collaborations for research projects.
- Experience in user research and interaction design gained through thesis work.
- Strong foundation in UX design and development gained through academic projects and relevant coursework throughout undergrad and grad school.
- Core competencies and training in human-computer interaction and design skills gained through multiple teaching assistantships and authoring published academic work.

## WORK EXPERIENCE

### University of Waterloo, Graduate Student Researcher

April 2018 – Present · 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 currently designing low-fidelity prototypes.

### University of Waterloo, Teaching Assistant

May 2018 – Present · Waterloo, ON

- Responsible for delivering weekly tutorials, managing lab classes and grading assignments/tests.
- Winter 2019: Human Factors in the Design of Biomedical and Health Systems.
- Fall 2018: Computer Aided Design.
- Spring 2018: Telecommunication Systems.

### 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 different compound structures.
- Documented proposals for machine learning-based materials research projects.

## EDUCATION

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

2017-2019 · Waterloo, ON

- Advisor: Dr. Jennifer Boger.
- AGE-WELL ACCESS 2018-2019 Award recipient.
- Graduate Research Studentship and International Master's Student Award (full tuition).

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

2013-2017 · Bangalore, India

- Final - year engineering project – Recommendation System for Movies.