

# JESSI STARK – CURRICULUM VITAE

Phone: (403) 969-7544  
jtstark@ucalgary.ca  
jtstark.com

2500 University Drive NW  
Calgary, AB, T2N 1N4, Canada

Jessi Stark is a Master's student in computer science at the University of Calgary under the supervision of Dr. Ehud Sharlin and Dr. Anthony Tang. Her research centres around mixed reality video interfaces to support learning. She recently worked with Dr. Sowmya Somanath at OCAD University and Dr. Fraser Anderson at Autodesk Research as a research assistant on a project involving makerspace workflows. She has previously done research in human-robot interaction and has worked in app development.

## EDUCATION

---

<b>Master of Science in Computer Science</b> <i>University of Calgary</i> Supervisors: Dr. Ehud Sharlin, Dr. Anthony Tang	In progress <i>Calgary, AB</i>
<b>Bachelor of Science in Computer Science (Internship)</b> <i>University of Calgary</i>	06/2017 <i>Calgary, AB</i>
<b>Diploma in Journalism (Honours)</b> <i>SAIT Polytechnic</i> Specialized in Print Media Journalism	06/2011 <i>Calgary, AB</i>
<b>Gifted Education High School Diploma</b> <i>Westmount Charter School</i>	06/2009 <i>Calgary, AB</i>

## EMPLOYMENT

---

<b>Research Assistant</b> <i>University of Calgary</i>	01/2019 – present <i>Calgary, AB</i>
<b>Teaching Assistant</b> <i>University of Calgary</i>	09/2017 – present <i>Calgary, AB</i>
<b>UI Research Associate</b> <i>Autodesk Research</i>	08/2018 – 12/2018 <i>Toronto, ON</i>
<b>Visiting Researcher</b> <i>OCAD University</i>	08/2018 – 12/2018 <i>Toronto ON</i>
<b>Application Development Co-op Student</b> <i>Husky Energy, Inc.</i>	01/2016 – 12/2016 <i>Calgary, AB</i>

---

## HONOURS AND AWARDS

---

### GRADUATE STUDENT AWARDS

**Queen Elizabeth II Graduate (Master's) Research Scholarship** 2018  
*University of Calgary*

### UNDERGRADUATE STUDENT AWARDS

**NSERC Undergraduate Student Research Award** 2017  
*University of Calgary*

**Dean's List, Faculty of Science** 2016-2017  
*University of Calgary*

**Jason Lang Scholarship for Academic Excellence** 2015, 2014  
*University of Calgary*

**Computer Science Alumni Chapter Undergraduate Scholarship** 2014  
*University of Calgary*

**Dean's List, Faculty of Arts** 2013-2014  
*University of Calgary*

### OTHER STUDENT AWARDS

**Jason Lang Scholarship for Academic Excellence** 2010  
*SAIT Polytechnic*

## TEACHING EXPERIENCE

---

**University of Calgary** 09/2017 – present  
**Teaching Assistant**, Department of Computer Science  
*Calgary, AB*

### **CPSC 599.90/601.90: Design of Mixed Reality Applications**

- 19 undergraduate and graduate students (01/2019-04/2019)
- Creating course content in the form of assignment requirements and tutorial slides
- Teaching programming for target recognition, gestural input, and voice input
- Instructing students on the basics of Unity development
- Evaluating and providing feedback on students' work

### **DATA 211: Programming with Data**

- 150 undergraduate students (01/2019-04/2019)
- Creating course content in the form of programming exercises and tutorial slides
- Evaluating and providing feedback on students' work

### **CPSC 481: Human-Computer Interaction I**

- 56 undergraduate students (09/2017-12/2017)
- 40 undergraduate students (01/2018-04/2018)
- Taught interface design, usability testing, and C# programming skills
- Advised student teams toward successful projects
- Evaluated and provided feedback on students' work

## **PUBLICATIONS**

---

### WORKSHOP PAPERS

**J. Stark**, A. Tang, E. Sharlin, “Toward a Reality-Based Interaction Gaming Experience for Older Adults.” In *Designing Interactions for the Ageing Populations – Workshop at CHI 2018 (CHI '18)*. Montreal, Canada.

### POSTERS

**J. Stark**, R.R.C. Mota, E. Sharlin, “Personal Space Intrusion in Human-Robot Collaboration.” In *Companion Proceedings of the 2018 ACM/IEEE International Conference on Human-Robot Interaction (HRI '18)*. 2018. Chicago, United States.

## **PRESENTATIONS AND INVITED LECTURES**

---

**Workshop**, “Tangible User Interfaces for Cognitive Games,” Designing Interactions for the Ageing Populations – Workshop at CHI 2018, April 22, 2018.

**Invited Talk**, “Highlights from HRI 2018,” University of Calgary course lecture – CPSC 584: Human-Robot Interaction, March 26, 2018.

## **PROFESSIONAL TRAINING**

---

### **Teaching Assistant Orientation Day**

Taylor Institute for Teaching and Learning, Calgary, AB, September 6, 2017  
University of Calgary *My GradSkills* endorsed workshop

## **SERVICE**

---

### **Guest Critic**

“Design Research & Innovation” undergraduate course projects  
OCAD University – Industrial Design Faculty

11/27/2018  
*Toronto, ON*

### **Student Volunteer**

ACM CHI Conference on Human Factors in Computing Systems  
20 hours

2018  
*Montreal, QC*

### **Peer-Reviewed Submissions for:**

- Late-Breaking Work at ACM CHI Conference on Human Factors in Computing Systems 2019
- Late-Breaking Reports at ACM/IEEE International Conference on Human-Robot Interaction 2018

## **COMMUNITY SERVICE**

---

### **University of Calgary**

Peer Mentor

01/2017 – 04/2017

*Calgary, AB*

- Mentored students in a first-year computer science course
- Facilitated in-class discussion about course topics
- Organized and assisted study groups
- Coached peers in coding skills

**Calgary Public Library**

“Read With Me” Mentor

01/2013 – 06/2013

*Calgary, AB*

- Helped a 12-year-old child ESL child develop English reading skills
- Planned lessons, activities, games, and books to read together