# JESSI STARK – CURRICULUM VITAE

Phone: (437) 361-6792
jtstark@dgp.toronto.edu
jtstark.com

Jessi Stark is a PhD student in computer science at the University of Toronto under the supervision of Dr. Daniel Wigdor. Her research centres around immersive video interfaces to support teaching and learning. She has previously worked with Drs. Ehud Sharlin and Tony Tang at the University of Calgary, in collaboration with Drs. Sowmya Somanath (University of Victoria) and Fraser Anderson (Autodesk Research), on her MSc research on tools to support novice makers. She has previously done research in human-robot interaction and has worked in user experience design.

## EDUCATION

**Doctor of Philosophy in Computer Science** In progress
*University of Toronto* *Toronto, ON*
Supervisor: Dr. Daniel Wigdor

**Master of Science in Computer Science** 08/2020
*University of Calgary* *Calgary, AB*
Supervisors: Dr. Ehud Sharlin, Dr. Anthony Tang

**Bachelor of Science in Computer Science (Internship)** 06/2017
*University of Calgary* *Calgary, AB*

**Diploma in Journalism (Honours)** 06/2011
*SAIT Polytechnic* *Calgary, AB*
Specialized in Print Media Journalism

**Gifted Education High School Diploma** 06/2009
*Westmount Charter School* *Calgary, AB*

## EMPLOYMENT

**Teaching Assistant** 09/2020 – present
*University of Toronto* *Toronto, ON*

**Teaching Assistant** 09/2017 – 06/2020
*University of Calgary* *Calgary, AB*

**User Experience Designer** 08/2019 – 04/2020
*Nureva, Inc.* *Calgary, AB*

**Research Assistant** 01/2019 – 04/2019
*University of Calgary* *Calgary, AB*

**UI Research Associate** 08/2018 – 12/2018
*Autodesk Research* *Toronto, ON*

**Visiting Researcher**                                        08/2018 – 12/2018
*OCAD University – Interactive Futures Lab*                        *Toronto ON*

**Application Development Co-op Student**                       01/2016 – 12/2016
*Husky Energy, Inc.*                                              *Calgary, AB*

## HONOURS AND AWARDS

### GRADUATE STUDENT AWARDS
**Wolfond Scholarship in Wireless Information Technology**                2020
*University of Toronto*

**Alberta Graduate Excellence Scholarship – Master's**                   2019
*University of Calgary*

**University of Calgary Scholarship – Master's**                         2019
*University of Calgary*

**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 Toronto**                                       09/2020 – present
**Teaching Assistant**, Department of Computer Science             *Toronto, ON*
**CSC108: Introduction to Computer Programming**
- >100 undergraduate students
- Facilitated discussions around in-class exercises
- Assisted professors with course duties such as grading and handling Quercus processes

- Supported students in learning programming concepts

**University of Calgary**                                        09/2017 – 06/2020
**Teaching Assistant**, Department of Computer Science           *Calgary, AB*
**DATA 201: Thinking with Data**
- 18 undergraduate students (05/2019-06/2019)
- 100 undergraduate students (05/2020-06/2020)
- Taught visualization techniques for quantitative and qualitative data
- Evaluated and provided feedback on students' work

**CPSC 599.90/601.90: Design of Mixed Reality Applications**
- 19 undergraduate and graduate students (01/2019-04/2019)
- Created course content in the form of assignment requirements and tutorial slides
- Taught programming for target recognition, gestural input, and voice input
- Instructed students on the basics of Unity development
- Evaluated and provided feedback on students' work

**DATA 211: Programming with Data**
- 150 undergraduate students (01/2019-04/2019)
- Created course content in the form of programming exercises and tutorial slides
- Evaluated and provided 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

### CONFERENCE PAPERS

**J. Stark**, S. Somanath, F. Anderson, G. Fitzmaurice, "MakeAware: Designing for Situation Awareness in Makerspaces." In *Proceedings of the 2020 ACM Conference on Designing Interactive Systems (DIS '20).* Eindhoven, Netherlands.

### 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

**Peer-Reviewed Submissions for**:
- Late-Breaking Work at ACM CHI Conference on Human Factors in Computing Systems 2019, 2020
- Late-Breaking Reports at ACM/IEEE International Conference on Human-Robot Interaction 2018

**Guest Critic**
"Design Research & Innovation" undergraduate course projects                     11/27/2018
OCAD University – Industrial Design Faculty                                        *Toronto, ON*

**Student Volunteer**
ACM CHI Conference on Human Factors in Computing Systems                          2018
20 hours                                                                          *Montreal, QC*

## COMMUNITY SERVICE

**University of Calgary**                                                          01/2017 – 04/2017
Peer Mentor                                                                        *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**                                                        01/2013 – 06/2013
"Read With Me" Mentor                                                             *Calgary, AB*
- Helped a 12-year-old child ESL child develop English reading skills
- Planned lessons, activities, games, and books to read together