

JESSI STARK – CURRICULUM VITAE

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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 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 and database development.

EDUCATION

Doctor of Philosophy in Computer Science <i>University of Toronto</i> Supervisor: Dr. Daniel Wigdor	In progress <i>Toronto, ON</i>
Master of Science in Computer Science <i>University of Calgary</i> Supervisors: Dr. Ehud Sharlin, Dr. Anthony Tang	08/2020 <i>Calgary, AB</i>
Bachelor of Science in Computer Science (Internship) <i>University of Calgary</i>	06/2017 <i>Calgary, AB</i>
Diploma in Journalism (Honours) <i>SAIT Polytechnic</i> Specialized in Print Media Journalism	06/2011 <i>Calgary, AB</i>
Gifted Education High School Diploma <i>Westmount Charter School</i>	06/2009 <i>Calgary, AB</i>

EMPLOYMENT

Teaching Assistant <i>University of Calgary</i>	09/2017 – 06/2020 <i>Calgary, AB</i>
User Experience Designer <i>Nureva, Inc.</i>	08/2019 – 04/2020 <i>Calgary, AB</i>
Research Assistant <i>University of Calgary</i>	01/2019 – 04/2019 <i>Calgary, AB</i>
UI Research Associate <i>Autodesk Research</i>	08/2018 – 12/2018 <i>Toronto, ON</i>
Visiting Researcher <i>OCAD University – Interactive Futures Lab</i>	08/2018 – 12/2018 <i>Toronto ON</i>

Application Development Co-op Student
Husky Energy, Inc.

01/2016 – 12/2016
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 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
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

COMMUNITY SERVICE

University of Calgary

Peer Mentor

- 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

01/2017 – 04/2017
Calgary, AB

Calgary Public Library

“Read With Me” Mentor

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

01/2013 – 06/2013
Calgary, AB