

JESSICA IP

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EDUCATION

University of British Columbia

B.A. in Cognitive Systems,
Cognition and the Brain

May 2020 | First-Class Standing,
NSERC USRA Recipient

SKILLS

Research Toolkit

Excel	Usability Studies	Interviewing
Quantitative/ Qualitative Data Analysis	Academic/ Technical Writing	Project Management

Coding / Design Toolkit

Git	Unity3D	Photoshop
Tableau	Blender	Arduino

Coding Languages

R	C/C++	HTML/CSS
Java	JavaScript	

PUBLICATIONS

[1] Haptipedia: Accelerating Haptic Device
Discovery to Support Interaction &
Engineering Design.

ACM SIGCHI | May 2019

[2] Toward Expert-sourcing
of a Haptic Device Repository.

ACM SIGCHI DC2S2 Workshop | May 2019

INTERESTS / HOBBIES

Human-Computer-Interaction
Data Visualization
Virtual Reality
Neurotechnology
Haptics
3D Modelling
Traditional Artwork
Sculpting
Storytelling
Baking

EXPERIENCE

UX Researcher

UBC Sensory Perception and Interaction Research Group

01/2018

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PRESENT

- > Co-authored a paper publication on a haptic device library (Haptipedia) in the ACM SIGCHI 2019 Conference.
- > Designed and conducted both in-person and remote usability studies with semi-structured interviews and performed thematic analyses.
- > Designed and conducted a 1.5-month longitudinal crowdsourcing study investigating user incentivization for data contribution to Haptipedia. Tracked user performance with real-time analytics from MouseFlow.
- > Manually transcribed and coded audio transcripts with MAXQDA software.
- > Collaborated with professors, senior researchers, and engineers at UBC and the Max Planck Institute.

Project Leader

UBC Visual Cognition Lab

09/2016

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PRESENT

- > Led the research team on the scientific investigation of correlation perception in data visualizations. Maintained communication between the principal investigator, researchers, and developers by leading weekly team meetings.
- > Conducted weekly experimental studies on human participants, amounting to over 20 completed conditions and 4 years' worth of data.
- > Prepared weekly statistical analyses and presented core research findings with hypothesis testing and parametric methods.
- > Analyzed 9 years' worth of data and designed data spreadsheets with graphical visualizations using Excel, Tableau, and R.
- > Routinely recruited new lab members and provided training through workshop series and direct mentorship.

Teaching Assistant

University of British Columbia

09/2018

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12/2018

- > Sole TA for an upper-level research methods course (COGS 303).
- > Individually graded 39 final research reports, weekly written assignments, and daily in-class quizzes and activities.
- > Provided reliable academic support for students through weekly office hours and e-mails.

Academic Assistant

UBC Emerging Media Lab

11/2017

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04/2018

- > Planned and facilitated workshops on Virtual Reality, Augmented Reality, and Brain-Computer Interfaces.
- > Hosted weekly demos of VR headsets and AR applications, and engaged with members of the UBC emerging technology community.