

## JESSY CEHA · CV

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CITIZENSHIP	Canadian, Dutch
LANGUAGES	English, Dutch

SUMMARY Highly adaptable and motivated, with research experience in both academia and industry, spanning various areas, countries, and departments. Adept at conducting in-person research in labs, medical centers, and in-the-wild, as well as writing, publishing, and presenting in multiple research areas. Knowledge of neuroscience & human-computer interaction methods, human physiology measurement, and behavioural & psychometric testing. Passionate about interdisciplinary research, especially psychology, neuroscience, and computer science.

EDUCATION		
<b>Ph.D. Computer Science</b>		2017 - present
University of Waterloo, Waterloo, ON, Canada		
Specialization: Human-Computer Interaction		
Advisor:	Dr. Edith Law (School of Computer Science)	
Thesis Focus: <i>Pedagogical Agents</i>		
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<b>M.Sc. Human-Machine Communication</b> , <i>cum laude</i>		2014 - 2016
University of Groningen, Groningen, the Netherlands		
Advisor: Dr. Marieke van Vugt (Institute of A.I. & Cognitive Engineering)		
Thesis: <i>Investigation into the Enhancement of Voice Perception: with simulations of cochlear implants and bimodal hearing</i>		
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<b>B.Sc. Cognitive Systems</b> , <i>with Distinction</i>		2009 - 2014
University of British Columbia, Vancouver, BC, Canada		
Specialization: Cognition & Brain		

RESEARCH	<b>Pedagogical Agents</b> Human-Computer Interaction Lab, University of Waterloo Designing pedagogical agents for scaffolding of learning and affective outcomes Investigating neural correlates of curiosity using electroencephalography (EEG)	2017 - present
	<b>Speech Perception</b> Dept. of Audiology, University Medical Centre Groningen Psychoacoustic experiments with simulations of bimodal hearing Dept. of Experimental Psychology, University of Groningen Developed an EEG BCI for improving auditory speech perception in cochlear-implant users	2015 - 2016
	<b>Cognitive Modelling</b> Institute of A.I. and Cognitive Engineering, University of Groningen EEG study on theta oscillation phase-locking after attentional blink (AB) training	2014 - 2016
	<b>Linguistics</b> The “eh” Lab, Dept. of Linguistics, University of British Columbia Behavioural study on the syntax of speech acts	2014

EXPERIENCE	<b>Teaching &amp; Instructional Assistant</b> 2017 - 2018 University of Waterloo CS105: Introduction to Computer Programming, CS106: Introduction to Computer Science, CS349: User Interfaces
	<b>Honours Master</b> in High Tech Systems & Materials (HTSM) 2014 - 2016 University of Groningen A 20-ECTS, 1.5 year program, followed alongside the regular Master's, offered by The University of Groningen in cooperation with Philips and other major industry partners, equips students with the knowledge and skills needed to excel at the frontiers of High Tech Systems and Materials.
	<b>Philips Internship</b> (Consumer Electronics) 2015 On site at the Philips production center in Drachten, the Netherlands As part of the HTSM Honours Master: manufactured, tested and finalized a solution to a technical challenge presented by Philips Consumer Lifestyle.
SKILLS	MATLAB, Python, HTML, CSS, Processing, OpenViBE, R, Arduino, ROS Lab & Field Studies with adults and children Voice Assistants (Amazon Alexa) & NAO robot Eye-Tracking/Pupil Dilation Product Design & Development (PCB basics; 3D printing) EEG, Electromyography (EMG) & Brain-Computer Interfaces (BCIs)
ACADEMIC CONTRIBUTIONS	<p><b>Ceha, J.</b>, Chibberr, N., Goh, J., McDonald, C., Oudeyer, P-Y., Kulic, D., and Law, E. (2019). Expression of Curiosity in Social Robots: Design, Perception, and Effects on Behaviour. In <i>CHI Conference on Human Factors in Computing Systems Proceedings (CHI 2019) May 4-9, 2019, Glasgow, Scotland, UK</i>. ACM, New York, NY, USA, 12 pages.</p> <p>Baskent, D., Luckmann, A., <b>Ceha, J.</b>, Gaudrain, E., and Tamati, T. N. (2018). The discrimination of voice cues in simulations of bimodal electro-acoustic cochlear-implant hearing. <i>The Journal of the Acoustical Society of America</i>, 143(4), pages 292-297.</p> <p><b>Ceha, J.</b> (2016). Investigation into the Enhancement of Voice Perception: with simulations of cochlear implants and bimodal hearing. (Master's thesis)</p> <p><i>Theta-band phase locking after attentional blink training.</i> <b>Ceha, J.</b>, Buwalda, T., Taatgen, N., Borst, J., and van Vugt, M. December 2015. Poster presentation at the 15th NVP Winter Conference on Cognition, Brain, and Behaviour. The Netherlands.</p>
HONOURS AND AWARDS	Natural Sciences and Engineering Research Council of Canada (NSERC) May 2019 Postgraduate Scholarship-Doctoral (PGS D) University of Waterloo President's Graduate Scholarship (PGS) May 2019 University of Waterloo Provost Doctoral Entrance Award for Women Sept. 2017 University of Waterloo Entrance Scholarship Sept. 2017 Avril McDonald Prize August 2016

VOLUNTEERING	Peer Reviewer for CHI Conference 2019&2020 Reviewed 3 manuscripts	Nov. 2018&2019
	Student volunteer (SV), Glasgow, Scotland, U.K. SV at the 2019 CHI Conference on Human Factors in Computing Systems	May 2019
	Volunteer Educational Assistant, Kitchener, Canada Prueter Public School	Feb. - April 2019
	Shad Canada, Waterloo, Canada A STEAM and entrepreneurship program for students in grades 10 and 11 Led a 3-day workshop on Human-Robot Interaction	July 2018
	GIRLsmarts4tech, Waterloo, Canada Day-long workshops aimed at inspiring girls to explore technology	June 2018
	Best Buddies, Waterloo, Canada Weekly volunteering with individuals with developmental or intellectual disabilities	Oct. 2017 - May 2018
	Girls in STEAM event, Waterloo, Canada Role model for elementary & middle school girls	Jan. 2018
	Women in Computer Science (WiCS) Event, Waterloo, Canada Mentor to undergraduate CS students	Nov. 2017
	Learning Buddies Network, Vancouver, Canada Elementary school math tutor	Jan. - April 2014