

JESSY CEHA · CV

CONTACT	jceha@uwaterloo.ca +1-519-580-6977 http://jessyceha.com	
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	Ph.D. Computer Science University of Waterloo, Waterloo, ON, Canada Specialization: Human-Computer Interaction (HCI) Advisor: Dr. Edith Law (School of Computer Science) Thesis Focus: <i>Pedagogical Agents</i>	2017 - present
	M.Sc. Human-Machine Communication, cum laude University of Groningen, Groningen, the Netherlands Specialization: Cognitive Engineering 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>	2014 - 2016
	B.Sc. Cognitive Systems, with Distinction University of British Columbia, Vancouver, BC, Canada Specialization: Cognition & Brain	2009 - 2014
RESEARCH	Pedagogical Agents HCI Lab, University of Waterloo Designing pedagogical agents for scaffolding of learning and affective outcomes Investigating neural correlates of curiosity using electroencephalography (EEG)	2017 - present
	Speech Perception 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
	Cognitive Modelling Institute of A.I. and Cognitive Engineering, University of Groningen EEG study on theta oscillation phase-locking after attentional blink (AB) training	2014 - 2016
	Linguistics The “eh” Lab, Dept. of Linguistics, University of British Columbia Behavioural study on the syntax of speech acts	2014

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 PCB basics; 3D printing EEG, Electromyography (EMG) & Brain-Computer Interfaces (BCIs)
EXPERIENCE	<p>Teaching</p> <p>Volunteer Educational Assistant, Prueter Public School, Kitchener Feb. - April 2019</p> <p>Teaching & Instructional Assistant, University of Waterloo 2017 - 2018 CS105: Introduction to Computer Programming, CS106: Introduction to Computer Science, CS349: User Interfaces</p> <p>Shad Canada, Waterloo July 2018 A STEAM and entrepreneurship program for students in grades 10 and 11 Led a 3-day workshop on Human-Robot Interaction</p> <p>GIRLsmarts4tech, Waterloo June 2018 Day-long workshops aimed at inspiring and teaching girls to explore technology</p> <p>Elementary school math tutor, Learning Buddies Network, Vancouver Jan. - April 2014</p> <p>Product Design & Development</p> <p>Honours Master in High Tech Systems & Materials, University of Groningen 2014 - 2016 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.</p> <p>Philips Internship (Consumer Electronics), Drachten, the Netherlands 2015 As part of the Honours Master: manufactured, tested and finalized a solution to a technical challenge presented by Philips Consumer Lifestyle.</p>
ACADEMIC CONTRIBUTIONS	<p>Ceha, J., 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., Ceha, J., 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>Ceha, J. (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> Ceha, J., 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	<p>Natural Sciences and Engineering Research Council of Canada (NSERC) Postgraduate Scholarship-Doctoral (PGS D) May 2019</p> <p>University of Waterloo President's Graduate Scholarship (PGS) May 2019</p> <p>University of Waterloo Provost Doctoral Entrance Award for Women Sept. 2017</p> <p>University of Waterloo Entrance Scholarship Sept. 2017</p> <p>Avril McDonald Prize August 2016</p>