

CURRICULUM VITAE

CHELSEA DEGUZMAN, M.A.Sc.

Human Factors North Inc.

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EDUCATION

Ph.D. Student, Industrial Engineering (Human Factors)
University of Toronto, Toronto, Ontario, Canada

M.A.Sc., Industrial Engineering (Human Factors) – 2017
University of Toronto, Toronto, Ontario, Canada

B.A., Developmental Cognitive Neuroscience – 2013
Western University, London, Ontario, Canada

PROFESSIONAL EXPERIENCE

May 2015 – present

Research Assistant – Human Factors North Inc.

- Perform literature searches on human factors issues related to driving scenarios
- Visit accident sites to collect information for use in accident reconstruction and in determining human factors issues with ongoing legal cases
- Read through police accident reports, witness testimony, and examinations for discovery for legal cases surrounding motor vehicle accidents; summarize any relevant information for reports on pertinent human factors issues

August 2016 – September 2017

User Research Analyst – BrainPath Inc.

- Responsible for research and documentation of requirements for development of an online tool
- Used requirements to create wireframes of the tool
- Acted as product owner for the agile development team

October 2013 – December 2014

Data Collection Coordinator – Multi-Health Systems Inc.

- Responsible for recruiting data collection sites, sending them materials, and scoring and entering returned data for the development of new psychological assessments
- Tracked progress of data collection to ensure targets were met

- Performed Quality Assurance testing of new assessments and logged tickets when bugs were found

February 2012 – May 2013

Research Assistant/Honours Thesis Student – Numerical Cognition Laboratory (Western University)

- Went to elementary schools to administer standardized tests one-on-one to students aged six to eight and scored and input collected data
- Called parents of children aged four to six from Western University’s Developmental Subject Pool to recruit participants
- Created paradigms on E-Prime software and paper-and-pencil tasks and tested participants using these materials
- Scored and entered all data into SPSS, and used SPSS for data analysis

May to August, 2010 – 2012

Trade Finance Analyst (Summer Position) – Canada Bread Company Ltd.

- Processed deductions and played an integral role in the budget process for the trade department
- Responsible for inputting rates by customer and validating that they were being calculated correctly in the budgeting tool and Microsoft Excel, as well as finding and fixing issues if the rates were not being allocated correctly

ACADEMIC EXPERIENCE

Fall 2018

***Vice-Chair, Academic for the 2018 Inter-University Workshop
Held on November 17, 2018 at the University of Toronto***

- Coordinated panel to review submissions and select presentations and posters to be accepted to the workshop, and communicated results to applicants
- Communicated important information to presenters about the event, such as presentation times, poster size requirements, etc.
- Organization on the day of the event, e.g., ensuring all presentations were loaded onto the presentation laptop and the sessions ran smoothly

Winter 2017, Winter 2019

***Teaching Assistant, MIE 1414: Human Factors in Transportation (Graduate Course)
University of Toronto***

- Graded and provided feedback for student assignments and presentations
- Reviewed and provided feedback on final exam
- Invigilated final exam
- Provided administrative help, e.g., posting slides and grades

Fall 2015, Fall 2016, Fall 2018

Teaching Assistant, MIE242: Psychology for Engineers (Undergraduate Course)

University of Toronto

- Prepared instructional materials for lab assignments
- Led weekly lab and tutorial sessions
- Graded assignments and exams

PUBLICATIONS/PRESENTATIONS (peer reviewed)

DeGuzman, C., Chignell, M., Jiang, J., & Zucherman, L. (2017). Testing the effects of peak, end, and linear trend on evaluations of online video quality of experience. *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*, 61(1), 813-817.

Chignell, M., Kealey, R., DeGuzman, C., Zucherman, L., & Jiang, J. (2017). A case study in visualizing disruptions to service quality. *Procedia Computer Science*, 111, 95-104.

Tong, T., DeGuzman, C., Chignell, M., Tierney, M.C., Lee, J. (2016, October). *Feasibility of Using a Game-Based Cognitive Assessment for Older Adults in Emergency Care*. Poster session presented at the 13th annual Connected Health Symposium, Boston, MA.

Chignell, M., DeGuzman, C., Zucherman, L., Jiang, J., Chan, J., & Charoenkitkarn, N. (2016). Improving Sense of Well-Being by Managing Memories of Experience. In S. Yamamoto (Ed.), *Human Interface and the Management of Information: Applications and Services, 18th International Conference on Human-Computer Interaction Proceedings, Part II* (pp. 454-465). Springer International Publishing.