Stephanie Hurtado

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Relevant Experience

Web Developer
Freelance | February 2016 - Present
- Work with clients to create personalized web pages for their business.
- Develop clean and user friendly web interfaces using responsive front-end frameworks for optimal user experience across browsers and devices.

User Experience Researcher
Carleton University | September 2013 - September 2015
- Conducted primary research through user observation with eye-tracking software.
- Worked with 3 other members of Carleton's Human Oriented Research in Usable Security (CHORUS) to design research studies, including user surveys, and lab-based usability studies.
- Analyzed and interpreted qualitative and quantitative data.
- Performed statistical analysis using R.
- Collaborated to successfully publish study findings at MUM 2015 and CRA-W '14/15.
- Presented findings and recommendations in a clear and effective manner at conference workshops.

Software Designer
BlackBerry | May 2014 - January 2015
- Responsible for daily investigation and debugging of cellular modem crashes across all BlackBerry mobile devices.
- Wrote and integrated code fixes for modem crashes and pushed fixes to software release branches.
- Improved verbosity of data logs for battery statistics which reduced data log lines by 23%.
- Analyzed and delivered weekly reports on Software Failure Rates over current software branches to product leads across BlackBerry's cellular radio division.
- Conducted weekly live air and lab validation testing of radio technologies (i.e., CDMA, UTMS, LTE).

User Studies

An Eye-tracking Evaluation of Driver Distraction and Road Signs
Master's Thesis
- Conducted 2 eye-tracking studies with 50 participants.
- Designed highway and city driving simulated tracks using OpenDS.
- Wrote Python scripts to extract relevant data from simulator logs.
- Collected qualitative data through user observation, and questionnaires.
- Presented study as a poster:
  [Stephanie Hurtado and Sonia Chiasson. Unfamiliar road signs: Measuring the impact on driver distraction. CRA-W Graduate Cohort Workshop, 2015.]

A Usability Study of ChatSecure: An Off-the-Record Messaging App
Usable Security
- Spearheaded mobile usability study which showed that a poor UI design created inaccuracies in users' mental models which resulted in direct security vulnerabilities.
- Conducted an in-lab study with 20 participants who tested ChatSecure on an Android mobile device.
- Presented findings and recommendations to ChatSecure's developers.

Skills

Tools & Platforms
Adobe Illustrator
Adobe Photohop
Balsamiq

Languages
HTML/CSS
Javascript
R
Python
C
Java

Education

M.S. Computer Science
Carleton University | Sept. 2013 - Nov. 2015
- Specialized area of discipline in HCI under the supervision of Dr. Sonia Chiasson.

B.Sc. Computer Science
University of Guelph | Sept. 2009 - June 2013

References Available Upon Request