

Cheng Guo

PHD STUDENT · HCI RESEARCHER · SOFTWARE ENGINEER · UX · USABLE SECURITY & PRIVACY · HEALTH INFORMATICS

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Education

Clemson University

PH.D. IN HUMAN-CENTERED COMPUTING

- Advised by Dr. Kelly Caine

Clemson, SC

Aug. 2014 - PRESENT

University of Pittsburgh

MASTER OF SCIENCE IN INFORMATION SCIENCE

Pittsburgh, PA

Aug. 2011 - May. 2013

Swinburne University of Technology

BACHELOR OF BUSINESS IN E-COMMERCE

Melbourne, Australia

Aug. 2010 - June. 2011

Nanjing University of Chinese Medicine

BACHELOR OF MANAGEMENT IN E-COMMERCE

Nanjing, China

Sep. 2007 - June. 2011

Skills

Programming Java, Python, C/C++

Web AJAX, CSS, Greasemonkey, (X)HTML, JavaScript, JSON, JQuery, JSP, Ruby on Rails

Data Analysis R, SPSS

Operation System Android, Linux/Unix, MAC OS, Windows

Database MySQL, SQL, SQL Server

Machine Learning Weka, Mallet, LightSIDE

Research Methods Experiment, Interface/Interaction Design, Interview, Prototyping, Survey, Usability Testing, Wireframing

UX Tools Axure, Justinmind, Paper Prototyping, POP

Other \LaTeX

Experience

Verisign Labs

RESEARCH INTERN (WITH DR. ERIC OSTERWEIL)

- Designed lab-based experimental scenarios and surveys.

- Designed and ran a between-subjects experiment on a large scale of users to study the impact of dotless domains on real-world users.

Reston, VA

May. 2016 - Aug. 2016

Human-Computer Interaction Institute, Carnegie Mellon University

VISITING RESEARCHER (WITH DR. JEN MANKOFF)

- Designed and conducted web surveys integrated with a search task using Java servlet.

- Applied Natural Language Processing technologies and Machine Learning models to the search task using Weka, Mallet, LightSIDE.

- Accomplished user study data analysis using Python and SPSS.

Pittsburgh, PA

Jun. 2013 - May. 2014

AthleteTrax

SOFTWARE ENGINEER INTERN

- Used Ruby on Rails to build the first version of a web-based platform integrating scheduling, communication, data and form management into one application, which allowed both student athletes and athletic administrations to be successful on and off the playing field.

Pittsburgh, PA

May. 2012 - Aug. 2012

Projects

AQA

SCHOOL OF COMPUTING, CLEMSON UNIVERSITY

- Question & Answer sites (Q&A sites; e.g. Quora, Yahoo! Answers etc.) are playing an increasingly important role in information seeking and sharing. Askers and answerers use different identities to participate in Question & Answer sites. They use their real names, pseudo-names or anonymity to post questions and answers. Explored the relationship between identity and user engagement, content quality and trolling behavior.

Clemson, SC

2016 - PRESENT

CrowdSec

SCHOOL OF COMPUTING, CLEMSON UNIVERSITY

Clemson, SC

2017 - PRESENT

- Personal smartphones are in the hands of over 90 American adults, and are at high risk for security threat. Although passwords and pins are commonly used to alleviate these threats, they are easily hacked and still leave the user vulnerable. Explored video chat as an alternative form of authentication using the users existing social network.

mHealth

SCHOOL OF COMPUTING, CLEMSON UNIVERSITY

Clemson, SC

2014 - 2015

- Patients want granular privacy control over health information in electronic medical records(EMR). Designed a mobile application to assess patients' desire for granular level privacy control over which personal health information should be shared, with whom, and for what purpose; and whether these preferences vary based on sensitivity of health information.

ChronicWeb

HUMAN-COMPUTER INTERACTION INSTITUTE, CARNEGIE MELLON UNIVERSITY

Pittsburgh, PA

2013 - 2014

- Explored the impact of individual differences on trust in the context of information seeking behavior. Developed two scales to measure trust in websites and trust in forums.

Honors & Awards

- 2015 **1st Place**, HFES "mHealth Applications for Consumers" Design Competition 1,000 honorarium + registration
In the news: **HFES, Upstate Business Journal**

Talks

Guest lecture

CPSC4180/6180 USABLE SECURITY & PRIVACY

Clemson, SC

Fall 2017

- Presented the topic of Internet Anonymity to a class of 40+ undergraduate/graduate students.

Invited Panel

TENTH ANNUAL FURMAN SUMMER RESEARCH CONFERENCE (PSYCHOLOGY & NEUROSCIENCE) AT FURMAN UNIVERSITY

Greenville, SC

Jul. 2017

- Invited to participate in a Q&A panel session about graduate school.

Publications

PervasiveHealth'14

Jamie L Crawford, **Cheng Guo**, Jessica Schroeder, Rosa I Arriaga and Jennifer Mankoff.

Is it a question of trust?: how search preferences influence forum use. [Acceptance rate: 26%]

Papers in submission

Cheng Guo and Kelly Caine.

Identity Policy Influences User Engagement, Quality and Trolling on Q&A Sites.

Cheng Guo and Kelly Caine.

Anonymity in Questions & Answers about Health.

Cheng Guo, Brianne Campbell, Mike Reiter, Apu Kapadia, and Kelly Caine.

Effect of Mood, Trust, Location and Presence of Others on Crowd-Based Video Authentication.

Teaching Assistant

Introduction to Programming in C Spring 2015, Fall 2015, Spring 2016

Programming Methodology Spring 2015

Human-Computer Interaction Spring 2016, Spring 2017

Fundamentals of Human-Centered Computing Fall 2016

Software Engineering Fall 2016

Usable Security & Privacy Fall 2017

Academic Services

Reviewer of OzCHI 2017

Reviewer of GI 2018

Reviewer of CogSci 2018

Reviewer of MobileHCI 2018