

# Elena Agapie

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## EDUCATION

- 2014–Present **University of Washington**, Human Centered Design and Engineering  
Ph.D. Candidate
- 2009–2012 **Harvard University**, School of Engineering and Applied Sciences  
M.S. in Computer Science
- 2006–2009 **Jacobs University Bremen**, Germany  
B.Sc. in Computer Science
- 2004–2006 **University of Bucharest**, Romania; semester abroad at **University of Provence**, France

## AWARDS

- 2018 Grace Hopper Scholarship (travel grant)
- 2016–2018 Excellent Reviewer Recognition (CHI'18, DIS'18, CHI'16)
- 2017 CHI Best Paper Award for “Examining Menstrual Tracking to Inform the Design of Personal ...”
- 2016 CHI Best Paper Honorable Mention for “Staying the Course: System-Driven Lapse Management ...”
- 2015 HCOMP Best Paper Award for “Crowdsourcing in the Field: A Case Study Using Local Crowds ...”
- 2014 PhD Entrance Award, HCDE Department
- 2013 CHI Best Paper Honorable Mention for “Leading People to Longer Queries”
- 2013 Google Conference Travel Grant (CHI'13)
- 2008 Grace Hopper Scholarship (travel grant)
- 2008 DAAD Award (German Academic Exchange Service), Bremen, Germany
- 2006–2008 Jacobs University Undergraduate Merit Scholarship
- 2006 Erasmus Scholarship, University of Provence, France (full funding for semester abroad)

## PUBLICATIONS

### CONFERENCE PAPERS (fully reviewed, archival)

Top-tier conferences (<30% acceptance rate) in human-computer interaction are as, or more, impactful than journals (see <http://doi.org/fgjt2h>)

- 2018 C.9 **Crowdsourcing Exercise Plans Aligned with Expert Guidelines and Everyday Constraints**  
**E. Agapie**, B. Chinh, L. Pina, D. Oviedo, M. Welsh, G. Hsieh, S.A. Munson  
CHI'18: ACM Conference on human factors in computing systems
- 2017 C.8 **When Personal Tracking Becomes Social: Examining the Use of Instagram for Healthy Eating**  
C.F. Chung, **E. Agapie**, J. Schroeder, S. Mishra, J. Fogarty, S.A. Munson  
CHI'17: ACM Conference on human factors in computing systems
- C.7 **Examining Menstrual Tracking to Inform the Design of Personal Informatics Tools**  
D. Epstein, N. Lee, J. Kang, **E. Agapie**, J. Schroeder, L. Pina, J. Fogarty, J. Kientz, S.A. Munson  
CHI'17: ACM Conference on human factors in computing systems,  
**BEST PAPER AWARD (top 2%)**
- 2016 C.6 **Staying the Course: System-Driven Lapse Management for Supporting Behavior Change**  
**E. Agapie**, D. Avrahami, J. Marlow  
CHI'16: ACM Conference on human factors in computing systems  
**HONORABLE MENTION BEST PAPER AWARD (top 5%)**

- C.5 **PlanSourcing: Generating Behavior Change Plans with Friends and Crowds**  
**E. Agapie**, L. Colusso, S.A. Munson, G. Hsieh  
 CSCW'16: ACM Conference on Computer Supported Cooperative Work
- 2015 C.4 **Crowdsourcing in the Field: A Case Study Using Local Crowds for Event Reporting**  
**E. Agapie**, A. Monroy-Hernandez, J. Teevan  
 HCOMP'15: AAAI Conference on Human Computation and Crowdsourcing,  
[BEST PAPER AWARD \(top 2%\)](#)
- C.3 **Social Cues and Interest in Reading Political News Stories**  
**E. Agapie**, S.A. Munson  
 ICWSM'15: AAAI Conference on Weblogs and Social Media
- 2013 C.2 **Leading People to Longer Queries**  
**E. Agapie**, G. Golovchinsky, P. Qvarfordt  
 CHI'13: ACM Conference on human factors in computing systems,  
[HONORABLE MENTION BEST PAPER AWARD \(top 5%\)](#)
- C.1 **Looking Ahead: Query Preview in Exploratory Search**  
 P. Qvarfordt, G. Golovchinsky, T. Dunnigan, **E. Agapie**  
 SIGIR'13: ACM Conference on Research and Development in Information Retrieval

#### MAGAZINE ARTICLES

- 2018 **Human-Centered Design Charrettes for K-12 Outreach**  
**E. Agapie**, A. Davidson  
 Interactions, Nov-Dec 2018

#### WORKSHOP PAPERS AND ABSTRACTS (lightly reviewed)

- 2018 W.8 **Developing an Adaptable K-12 HCI Curriculum**  
**E. Agapie**, A. Davidson  
 CHI'18, HCI Education Workshop
- W.7 **User-Centered Design Workshops for K-12 Outreach**  
**E. Agapie**, A. Davidson  
 University of Washington Teaching and Learning Symposium, 2018
- 2016 W.6 **Designing Our Future Students: Introducing User Experience to Teens Through a UCD Charrette**  
 E. Rose, A. Davidson, **E. Agapie**, K. Sobel  
 SIGDOC'16, ACM International Conference on the Design of Communication
- 2015 W.5 **Challenges in Local Reporting with Community Members vs Paid Workers**  
**E. Agapie**, A. Monroy-Hernandez  
 CSCW'15, Workshop on Information Technology and City Life
- 2014 W.4 **Eventful: Crowdsourcing Local News Reporting**  
**E. Agapie**, A. Monroy-Hernandez  
 Collective Intelligence'14
- W.3 **Challenges for Personal Behavior Change Research on Information Diversity**  
 N. Matias, **E. Agapie**, C. D'Ignazio, E. Graeff  
 CHI'14, Workshop on Personalizing Behavior Change Technologies
- 2012 W.2 **Encouraging Behavior: A Foray into Persuasive Computing**  
**E. Agapie**, G. Golovchinsky, P. Qvarfordt  
 HCIR'12: Symposium in Human Computer Information Retrieval
- 2008 W.1 **Seeing Our Signals: Combining Location Traces and Web-based Models for Personal Discovery**  
**E. Agapie**, G. Chen, D. Houston, E. Howard, J. Kim, M.Y. Mun, A. Mondschein, S. Reddy, R. Rosario,  
 J. Ryder, A. Steiner, J. Burke, D. Estrin, M. Hansen, M. Rahimi  
 HotMobile'08: Workshop on Mobile Computing Systems and Applications

## PATENTS

- 2017                    **Method and system for generating interactive query results previews**  
G Golovchinsky, A Dunnigan, FM Shipman III, E Agapie, US Patent 9,542,492

## INVITED TALKS AND PANELS

### RESEARCH

- 2018    T.9            **Grace Hopper Conference**  
User Centered Design for K-12 Outreach, presentation, Sept. 2018
- T.8            **Guest Lecture INFO 200, Intellectual Foundations of Informatics**, University of Washington  
Crowdsourcing Exercise Plans Aligned with Expert Guidelines and Everyday Constraints, May 2018
- T.7            **Seattle Science Slam**  
Online Support: How to Help People Get Started with Exercise, Mar. 2018
- 2016    T.6            **ISRII 2016: International Society for Research on Internet Interventions**  
Using Personal Data to Elicit Behaviour Change Plans from Friends and Strangers
- T.5            **DUB Seminar**, University of Washington  
Building up STE(A)M: The UCD Charrette for K-12 Outreach, with A. Davidson, K. Sobel, E. Rose
- 2014    T.4            **SXSW 2014: South by Southwest Interactive**  
The LOLs of Nations: Understanding Global Memes, with A Monroy-Hernandez, B Valentine, K. Pearce
- T.3            **Center for Civic Media**, MIT Media Lab  
Crowdsourcing Event Reporting, Jun. 2014
- T.2            **DUB Seminar**, University of Washington  
Crowdsourcing Event Reporting, Jan. 2014
- 2013    T.1            **Microsoft Research**, FUSE Labs  
Overcoming the Filter Bubble with User Interface Design, Aug. 2013

### PROFESSIONAL DEVELOPMENT

- 2017    S.5            **Working with Your PhD Advisor**  
DUB student retreat, 2017, panellist
- 2016    S.3            **How to Get PhD Internships**  
DUB student retreat, 2016, panel moderator
- S.2            **Doctoral Symposia and PhD Summer Schools**  
DUB student retreat, 2016, panel moderator
- 2015    S.1            **Graduate Student Panel for Women Undergraduates in Engineering**  
SWE: Society for Women Engineers, April 2015, panellist

## EMPLOYMENT

- 06/2014–Present    **University of Washington**, HCDE  
Graduate Researcher, with Sean Munson and Gary Hsieh  
Exploring how social relationships and crowdsourcing can support behaviour change.
- Summer 2018        **LA BioMed, Harbor-UCLA**, Los Angeles, CA  
Visiting Investigator, with Dennis Hsieh  
Conducted study on effect of conversational agents in Emergency Department information surveys.
- Summer 2015        **Fuji Xerox Palo Alto Research Lab**, Palo Alto, CA  
Research Intern, with Daniel Avrahami and Jennifer Marlow  
Designed and evaluated the effect of lapse management tools in behaviour change programs

- Fall 2013–  
Spring 2014 **Microsoft Research, FUSE Labs**, Redmond, WA  
Research Assistant, with Andres Monroy-Hernandez  
Designed and evaluated a tool to support crowdsourcing local journalism and stories.
- Summer 2013 **NASA, Jet Propulsion Laboratory**, User Interfaces Group, Los Angeles, CA  
Research Intern with Scott Davidoff, Margaret Hendrie, and Hillary Mushkin  
Designed and built web tools, for interactive visualization of high-level process data for space missions.
- Spring 2013 **Harvard Berkman Center for Internet and Society, MIT Center for Civic Media**, Cambridge, MA,  
Research Assistant with Ethan Zuckerman  
Tools for large scale analysis of news and blogs data. Prototyped of news interfaces.
- Summer 2012 **Fuji Xerox Palo Alto Research Lab, Palo Alto, CA**  
Research Intern, with Gene Golovchinsky and Pernilla Qvafordt  
Designed and evaluated persuasive techniques for search tasks to change user behaviour.
- Summer 2009 **Intel Labs**, Santa Clara, CA  
Research Intern, with Lama Nachman  
Developed and evaluated applications of sensors on mobile devices to infer user activity.
- Spring 2009 **UC Berkeley, California Center for Innovative Transportation**, Berkeley, CA  
Undergraduate Intern, with Alexandre Bayen
- Summer 2008 **UC Berkeley, Automation Sciences Lab**, Berkeley, CA  
REU Undergraduate Intern, with Ken Goldberg
- Summer 2007 **UCLA, Center for Embedded Networked Sensing**, Los Angeles, CA  
REU Undergraduate Intern, with Deborah Estrin

## TEACHING AND ADVISING

### INSTRUCTOR

#### University of Washington

- Fall 2018 **Introduction to Programming**, HCDE 598  
Taught class of 34 masters students, created and delivered lectures and lab, managed 2 TAs.
- 2016-2018 **Directed Research: Developing K-12 Design Thinking Curriculum**, HCDE 496/596  
Co-taught with Andrew Davidson for 5 quarters. Mentored 51 masters and undergraduate students.
- Fall 2015,  
Spring 2018 **Directed Research: Technology for Behavior Change**, HCDE 496/596  
Co-taught with: Sean Munson, Gary Hsieh for 2 quarters. Mentored 17 undergraduate students.
- Spring 2011–  
Summer 2011 **Middle East Education Through Technology**, MIT  
Developed Computer Science curriculum for a summer camp of 25 Israeli and Palestinian high school students (Jerusalem).

### INDIVIDUAL STUDENT MENTORSHIP

- 2016-2018 Yeh-Eun Lee (HCDE B.S.) Summer 2018  
Shin Young 'Lucia' Choi (HCDE B.S.) Fall 2017  
Miki Liu (incoming undergraduate student) Summer 2017  
Sayna Parsi (HCDE B.S.) Spring 2016

### TEACHING ASSISTANT

- 2011, 2012 **Harvard University**  
CS50 Introduction to Computer Science  
ES139 Innovation in Science and Engineering  
CS179 Design of Usable Interactive Systems  
Taught sections for 15 students, led discussion, held office hours, mentored projects.
- 2007, 2008 **Tutor, Jacobs University Bremen, Germany**  
Head tutor and organizer of the Math Support Center (2007-2008), Student Career Adviser (2008)

## PROFESSIONAL SERVICE

### CONFERENCE PROGRAM AND ORGANIZING COMMITTEES

- 2018-2019 HCOMP'19 Publicity Co-chair  
2017 HCOMP'17 Crowdcamp Co-organizer  
2014-2015 CHI'14, CHI'15 Works-in-Progress Program Committee  
2011 UIST Student Volunteer Chair  
Student volunteer: CSCW 2016, 2018, CHI 2016, 2013, UIST 2010

### REVIEWER

CHI 2011-2012, 2013-2019, CHI Works-in-Progress 2012, 2014-2018, CSCW 2014-2019, DIS 2017-2018, MobileHCI 2015, 2018, TEI 2019, AMIA 2018, Pervasive Health 2017, UIST 2017, Creativity and Cognition 2017

### DEPARTMENT AND UNIVERSITY SERVICE

- 2015-2018 **STEM Diversity and Inclusion Outreach**, HCDE, University of Washington  
Created departmental infrastructure to run K-12 workshops in public schools across urban and rural Washington State, and a Native American Reservation. Outcomes resulted in 50 workshops, with over 2000 K-12 students and teachers. Coordinated over 100 undergraduate students to run the program.
- 2017-2018 **Bachelor Program Committee**, HCDE, University of Washington
- 2018 **Undergraduate and Graduate Admissions**, HCDE, University of Washington
- 2016-2017 **DUB Student Coordinator**, University of Washington  
Initiated and organized: the first **DUB student retreat** (2016), **DUB Doctoral Colloquium** (2017)  
Cross departmental: practice talks for conferences, paper swaps for academic deadlines
- 2016 **DUB Speaker Series Student Coordinator**, University of Washington  
Responsible for coordinating speakers for the weekly DUB HCI speaker series: over 100 attendees.
- 2016 **PhD Visit Days Student Coordinator**, HCDE, University of Washington
- 2011-2013 **Resident Tutor, Lowell House**, Harvard University  
Lived with and was a resource for 400 students, advised students, organized public speaking events.