

# Elena Agapie

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## EDUCATION

2014–Present	<b>University of Washington</b> , Human Centered Design and Engineering Ph.D. Candidate
2009–2012	<b>Harvard University</b> , School of Engineering and Applied Sciences M.S. in Computer Science
2006–2009	<b>Jacobs University Bremen</b> , Germany B.Sc. in Computer Science
Spring 2006	<b>University of Provence</b> , France
2004–2006	<b>University of Bucharest</b> , Romania

## AWARDS

2017	<b>CHI 2017 Best Paper Award</b> for [C.7]
2016	<b>CHI Best Paper Honorable Mention</b> for [C.6]
2015	<b>HCOMP Best Paper Award</b> for [C.4]
2013	<b>CHI Best Paper Honorable Mention</b> for [C.2]
2016–2019	<b>Excellent Reviewer Recognition</b> (CHI'19, CHI'18, DIS'18, CHI'16)
2019	<b>Society of Women Engineers Outstanding Female</b> , University of Washington
2018	<b>Grace Hopper Scholar</b>
2014	<b>PhD Entrance Award</b> , HCDE Department
2013	<b>Google Travel Grant</b> for CHI'13
2008	<b>Grace Hopper Scholar</b>
2008	<b>DAAD Award</b> (German Academic Exchange Service), Bremen, Germany
2006–2008	<b>Undergraduate Merit Scholarship</b> Jacobs University
2006	<b>Erasmus Scholarship</b> , University of Provence, France (for semester abroad)

## RESEARCH FUNDING

2019	<b>NIMH, UW Alacrity Center for Psychosocial Interventions, R03 Pilot Project Award</b> Supporting Iterative Design of Homework in Problem Solving Therapy PIs: E. Agapie, P. Areán, Mentors: S.A. Munson, G. Hsieh, Amount: \$50,000
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## PUBLICATIONS

CONFERENCE PAPERS (fully reviewed, archival)		Top-tier conferences (<30% acceptance rate) in human-computer interaction are as, or more, impactful than journals (see <a href="http://doi.org/fgjt2h">http://doi.org/fgjt2h</a> )
2019	C.11	<b>Using Priorities of Hospitalized Patients and Their Caregivers to Develop Personas</b> <i>E. Agapie</i> , L. Kendall, S.R. Mishra, S. Halder, M. Khelifi, A. Pollack, W. Pratt AMIA'19: American Medical Informatics Association Annual Symposium
	C.10	<b>HarborBot: A Chatbot for Social Needs Screening</b> R. Kocielnik, <i>E. Agapie</i> , A. Argyle, D.T. Hsieh, K. Yadav, B. Taira, G. Hsieh AMIA'19: American Medical Informatics Association Annual Symposium
2018	C.9	<b>Crowdsourcing Exercise Plans Aligned with Expert Guidelines and Everyday Constraints</b> <i>E. Agapie</i> , 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	<b>When Personal Tracking Becomes Social: Examining the Use of Instagram for Healthy Eating</b> C.F. Chung, <i>E. Agapie</i> , 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
- WORKSHOP PAPERS AND ABSTRACTS** (lightly reviewed)
- 2020    W.10    **Clinician Reported Challenges in the Creation of Action Plans**  
*E. Agapie*, C. Thompson, J.G. Carr, D Ferguson, G Hsieh, S.A. Munson, P. Arean, SBM: Society for Behavioral Medicine, 2020
- 2018    W.9      **Developing an Adaptable K-12 HCI Curriculum**  
*E. Agapie*, A. Davidson, CHI'18, HCI Education Workshop
- W.8      **User-Centered Design Workshops for K-12 Outreach**  
*E. Agapie*, A. Davidson, University of Washington Teaching and Learning Symposium, 2018
- 2016    W.7      **Using Personal Data to Elicit Behaviour Change Plans from Friends and Strangers**  
*E. Agapie*, S.A. Munson, G. Hsieh, ISRII'16: International Society for Research on Internet Interventions
- 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

#### MAGAZINE ARTICLES

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

#### DOCTORAL COLLOQUIUM

- 2019 **Designing for the Self: Enabling People to Design Behavioral Interventions**  
*E. Agapie*, CHI'19

#### 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

#### EMPLOYMENT

- 2014–Present **Human Centered Design and Engineering**, University of Washington, Graduate Researcher  
 Advisors: Sean Munson, Gary Hsieh  
 Designing technology and practices to support people in pursuing health behaviors.
- Summer 2019 **Dept. of Psychiatry and Behavioral Sciences**, University of Washington, Graduate Researcher  
 Advisor: Patricia Areán  
 Understanding the needs of patients and therapists and redesigning therapy interventions.
- Summer 2015 **Fuji Xerox Palo Alto Research Lab**, Palo Alto, CA, Research Intern  
 Mentors: Daniel Avrahami, 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 Staff  
 Mentor: Andres Monroy-Hernandez  
 Designed and evaluated a tool to support crowdsourcing local journalism.
- Summer 2013 **NASA, Jet Propulsion Laboratory**, User Interfaces Group, Los Angeles, CA, Research Intern  
 Mentors: Scott Davidoff, Margaret Hendrie, Hillary Mushkin  
 Designed and built web tools, for interactive visualization of space missions engineers.
- Summer 2012 **Fuji Xerox Palo Alto Research Lab, Palo Alto, CA**, Research Intern  
 Mentors: Gene Golovchinsky, Pernilla Qvafordt  
 Designed and evaluated persuasive techniques for search tasks.
- Summer 2009 **Intel Labs**, Santa Clara, CA, Research Intern  
 Mentor: Lama Nachman  
 Developed and evaluated applications to infer user activity on mobile devices.
- Spring 2009 **UC Berkeley, California Center for Innovative Transportation**, Berkeley, CA, Intern  
 Mentor: Alexandre Bayen  
 Built tools for traffic modelling.
- Summer 2008 **UC Berkeley, Automation Sciences Lab**, Berkeley, CA, REU Undergraduate Intern  
 Mentor: Ken Goldberg  
 Built tools for medical diagnostics.

Summer 2007      **UCLA, Center for Embedded Networked Sensing**, Los Angeles, CA, REU Undergraduate Intern  
Mentor: Deborah Estrin, Jeff Burke  
Built tools for analysing pollution exposure based on GPS location.

## TALKS AND PANELS

2018	T.8	<b>Grace Hopper Celebration</b> , User Centered Design for K-12 Outreach
	T.7	<b>Seattle Science Slam</b> , Online Support: How to Help People Get Started with Exercise
2016	T.6	<b>Verily Life Sciences</b> , Staying the Course: System-Driven Lapse Management for Supporting Behavior Change
	T.5	<b>DUB Seminar</b> , 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	<b>SXSW 2014: South by Southwest Interactive</b> , The LOLs of Nations: Understanding Global Memes, with A Monroy-Hernandez, B Valentine, K. Pearce
	T.3	<b>MIT Media Lab</b> , Center for Civic Media, Crowdsourcing Event Reporting
	T.2	<b>DUB Seminar</b> , University of Washington, Crowdsourcing Event Reporting
2013	T.1	<b>Microsoft Research</b> , Overcoming the Filter Bubble with User Interface Design

## GUEST LECTURES

2019	TG.2	<b>HCDE 210</b> (Explorations in Human Centered Design), University of Washington, Guest Lecture, Crowdsourcing Behaviour Change Support with Expert Guidelines and Everyday Constraints
2018	TG.1	<b>INFO 200</b> (Intellectual Foundations of Informatics), University of Washington, Guest Lecture, Crowdsourcing Behaviour Change Support with Expert Guidelines and Everyday Constraints

## PROFESSIONAL DEVELOPMENT TALKS

2018	TP.5	<b>Research experiences for undergraduate students</b> , CSE 190B Current Topics in Computer Science and Engineering: Direct Admit Seminar
2017	TP.4	<b>Working with Your PhD Advisor</b> , DUB student retreat, 2017, panellist
2016	TP.3	<b>How to Get PhD Internships</b> , DUB student retreat, 2016, panel moderator
	TP.2	<b>Doctoral Symposia and PhD Summer Schools</b> , DUB student retreat, 2016, panel moderator
2015	TP.1	<b>Graduate Student Panel for Women Undergraduates in Engineering</b> , SWE: Society for Women Engineers, April 2015, panellist

## TEACHING AND ADVISING

### UNIVERSITY OF WASHINGTON

2018-2019	<b>Instructor, Introduction to Programming</b> , HCDE 598 40 master students, created and delivered lectures and lab, managed two TAs, 2 credits Course evaluation: 4.1/5 (Fall 2018), 4.9/5 (Winter 2019)
2019	<b>Instructor, Directed Research: Mental Health in Everyday Life</b> , HCDE 496/596 16 undergraduate and graduate students, over 3 quarters, variable credit
2015-2018	<b>Co-Instructor, Directed Research: Technology for Exercise Behavior Change</b> , HCDE 496/596 17 undergraduate students, over 2 quarters, variable credit
2016-2018	<b>Co-Instructor, Directed Research: K-12 Design Thinking Curriculum</b> , HCDE 496/596 51 masters and undergraduate students, over 5 quarters, variable credit

## INTERNATIONAL INVITED COURSES

Winter 2018	<b>Instructor, Human Centered Design for Health Informatics</b> , Universidad Peruana Cayetano Heredia, Peru 18 health informatics master students
Summer 2011	<b>Co-Instructor, Web Development</b> , Middle East Entrepreneurs of Tomorrow, Jerusalem 25 Israeli and Palestinian high school students

## HARVARD UNIVERSITY

2012	Teaching assistant, CS50 Introduction to Computer Science
2011	Teaching assistant, CS179 Design of Usable Interactive Systems

## JACOBS UNIVERSITY BREMEN, GERMANY

2007-2008	Head tutor and organizer of the Math Support Center
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## INDIVIDUAL STUDENT ADVISING

2019	Dawn Ferguson (HCDE M.S.)
2018	Yeh-Eun Lee (HCDE B.S.)
2017	Shin Young 'Lucia' Choi (HCDE B.S.)
2017	Miki Liu (incoming undergraduate student)
2016	Sayna Parsi (HCDE B.S.)

## PROFESSIONAL SERVICE

### CONFERENCE PROGRAM AND ORGANIZING COMMITTEES

2020	Pervasive Health 2020 Program Committee
2019	HCOMP 2019 Publicity and Social Media Co-chair
2017	HCOMP 2017 Crowdcamp Co-organizer
2014–2015	CHI 2014, CHI 2015 Works-in-Progress Program Committee
2011	UIST Student Volunteer Chair

## REVIEWER

2011-2019	ACM CHI, Recognition for Excellent Review for CHI'19, CHI'18, CHI'16
2014-2020	ACM CSCW
2019	IMWUT
2019, 2017	ACM Creativity and Cognition
2019	ACM TEI
2017-2018	ACM DIS, Recognition for Excellent Review for DIS'18
2015, 2018	ACM MobileHCI
2018	AMIA
2017	Pervasive Health
2017	ACM UIST

## CONFERENCE SERVICE

2019	CHI'19 Session Chair
2019	Diversity Lunch Table Leader
	Student volunteer: CSCW'18, CSCW'16, CHI'16, CHI'13, UIST'10

## DEPARTMENT AND UNIVERSITY SERVICE

2015–2018	<b>STEM Diversity and Inclusion Outreach</b> , HCDE, University of Washington - Coordinated the HCDE Outreach program, advised <b>50+ K-12 workshops</b> on design and engineering in schools in urban and rural Washington State, a Native American Reservation, Seattle Public Library. - Worked with over <b>2000 K-12 students and teachers</b> , coordinated <b>100 undergraduate</b> students
2019	<b>Tenure Track Hiring Committee</b> , HCDE, University of Washington
2017–2018	<b>Bachelor Program Committee</b> , HCDE, University of Washington
2018	<b>Undergraduate Admissions</b> , HCDE, University of Washington
2018	<b>Graduate Admissions</b> (incoming PhD awards), HCDE, University of Washington
2016–2017	<b>DUB Student Coordinator</b> , University of Washington
2017	<b>DUB Doctoral Consortium</b> , University of Washington, Co-Organizer
2016	<b>DUB Seminar Speaker Series</b> , University of Washington, Student Coordinator
2016	<b>PhD Visit Days Student Coordinator</b> , HCDE, University of Washington
2011–2013	<b>Resident Tutor</b> , Lowell House, Harvard University
2008	<b>Student Career Adviser</b> , Jacobs University Bremen

## REFERENCES

### **Gary Hsieh**

Associate Professor, Human Centered Design and Engineering, University of Washington

### **Sean Munson**

Associate Professor, Human Centered Design and Engineering, University of Washington

### **Wanda Pratt**

Professor, Information School, University of Washington