

# Elena Agapie

eagapie@uci.edu  
http://eagapie.com  
510-501-8630

## EMPLOYMENT

July 2020 **University of California, Irvine**  
Department of Informatics, Donald Bren School of Information and Computer Sciences  
**Assistant Professor**  
Areas: Human-Computer Interaction, Human Centered Design, Social Computing, Health Informatics

## EDUCATION

2014–Jun 2020 **University of Washington**, Human Centered Design and Engineering  
Ph.D. expected in June 2020

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

## PUBLICATIONS

CONFERENCE PUBLICATIONS (fully reviewed, archival) Top-tier conferences (<30% acceptance rate) in human-computer interaction are as, or more, impactful than journals (see <http://doi.org/fgit2h>)

- 2019 C.11 **Using Priorities of Hospitalized Patients and Their Caregivers to Develop Personas**  
*E. Agapie, L. Kendall, S.R. Mishra, S. Haldar, M. Khelifi, A. Pollack, W. Pratt*  
AMIA'19: American Medical Informatics Association Annual Symposium
- C.10 **HarborBot: A Chatbot for Social Needs Screening**  
*R. Kocielnik, E. Agapie, A. Argyle, D.T. Hsieh, K. Yadav, B. Taira, G. Hsieh*  
AMIA'19: American Medical Informatics Association Annual Symposium
- 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

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

- 2020    W.11     **Understanding Clinician Needs in Using an Evidence-based Psychosocial Intervention**  
*E. Agapie, S.A. Munson, G. Hsieh, P. Arean, CHI'20, Workshop on Technology Ecosystems: Rethinking Resources for Mental Health*
- 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

## RESEARCH FUNDING

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

## PROFESSIONAL EXPERIENCE

2014–Present    **Human Centered Design and Engineering**, University of Washington, Graduate Researcher  
Designing technology and practices to support people in pursuing health behaviors.

Summer 2019    **Dept. of Psychiatry and Behavioral Sciences**, University of Washington, Graduate Researcher  
Understanding the needs of patients and therapists and redesigning therapy interventions.

Summer 2015    **Fuji Xerox Palo Alto Research Lab**, Palo Alto, CA, Research Intern  
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  
Designed and evaluated a tool to support crowdsourcing local journalism.

Summer 2013    **NASA, Jet Propulsion Laboratory**, User Interfaces Group, Los Angeles, CA, Research Intern  
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  
Designed and evaluated persuasive techniques for search tasks.

Summer 2009    **Intel Labs**, Santa Clara, CA, Research Intern  
Developed and evaluated applications to infer user activity on mobile devices.

Spring 2009    **UC Berkeley, California Center for Innovative Transportation**, Berkeley, CA, Intern  
Built tools for traffic modelling.

Summer 2008    **UC Berkeley, Automation Sciences Lab**, Berkeley, CA, REU Undergraduate Intern  
Built tools for medical diagnostics.

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

## TALKS AND PANELS

2019    T.10    **KAIST**, Designing for the Intersection of Evidence and Everyday Life

          T.9     **UC Irvine**, Designing for the Intersection of Evidence and Everyday Life

2018    T.8     **Grace Hopper Celebration**, User Centered Design for K-12 Outreach

          T.7     **Seattle Science Slam**, Online Support: How to Help People Get Started with Exercise

2016    T.6     **Verily Life Sciences**, Staying the Course: System-Driven Lapse Management for Supporting Behavior Change

          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 **MIT Media Lab**, Center for Civic Media, Crowdsourcing Event Reporting
- T.2 **DUB Seminar**, University of Washington, Crowdsourcing Event Reporting
- 2013 T.1 **Microsoft Research**, Overcoming the Filter Bubble with User Interface Design

#### GUEST LECTURES

- 2019 TG.2 **HCDE 210** (Explorations in Human Centered Design), University of Washington, Guest Lecture, Crowdsourcing Behaviour Change Support with Expert Guidelines and Everyday Constraints
- 2018 TG.1 **INFO 200** (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 **Research experiences for undergraduate students**, CSE 190B Current Topics in Computer Science and Engineering: Direct Admit Seminar
- 2017 TP.4 **Working with Your PhD Advisor**, DUB student retreat, 2017, panellist
- 2016 TP.3 **How to Get PhD Internships**, DUB student retreat, 2016, panel moderator
- TP.2 **Doctoral Symposia and PhD Summer Schools**, DUB student retreat, 2016, panel moderator
- 2015 TP.1 **Graduate Student Panel for Women Undergraduates in Engineering**, SWE: Society for Women Engineers, April 2015, panellist

#### TEACHING AND ADVISING

##### UNIVERSITY OF WASHINGTON

- 2018-2019 **Instructor, Introduction to Programming**, 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 **Instructor, Directed Research: Mental Health in Everyday Life**, HCDE 496/596  
16 undergraduate and graduate students, over 3 quarters, variable credit
- 2015-2018 **Co-Instructor, Directed Research: Technology for Exercise Behavior Change**, HCDE 496/596  
17 undergraduate students, over 2 quarters, variable credit
- 2016-2018 **Co-Instructor, Directed Research: K-12 Design Thinking Curriculum**, HCDE 496/596  
51 masters and undergraduate students, over 5 quarters, variable credit

##### INTERNATIONAL INVITED COURSES

- Winter 2018 **Instructor, Human Centered Design for Health Informatics**, Universidad Peruana Cayetano Heredia, Peru  
18 health informatics master students
- Summer 2011 **Co-Instructor, Web Development**, 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

### 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

2011-2020 ACM CHI, Recognition for Excellent Review for CHI'19, CHI'18, CHI'16  
2014-2020 ACM CSCW, Recognition for Excellent Review for CSCW'19  
2019 IMWUT  
2019, 2017 ACM Creativity and Cognition  
2019 ACM TEI  
2017-2018, 2020 ACM DIS, Recognition for Excellent Review for DIS'18  
2015, 2018, 2020 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 **STEM Diversity and Inclusion Outreach**, HCDE, University of Washington  
- Coordinated the HCDE Outreach program, advised **50+ K-12 workshops** on design and engineering in schools in urban and rural Washington State, a Native American Reservation, Seattle Public Library.  
- Worked with over **2000 K-12 students and teachers**, coordinated **100 undergraduate** students  
2019 **Tenure Track Hiring Committee**, HCDE, University of Washington  
2017-2018 **Bachelor Program Committee**, HCDE, University of Washington  
2018 **Undergraduate Admissions**, HCDE, University of Washington  
2018 **Graduate Admissions** (incoming PhD awards), HCDE, University of Washington  
2016-2017 **DUB Student Coordinator**, University of Washington

2017 **DUB Doctoral Consortium**, University of Washington, Co-Organizer  
2016 **DUB Seminar Speaker Series**, University of Washington, Student Coordinator  
2016 **PhD Visit Days Student Coordinator**, HCDE, University of Washington  
2011–2013 **Resident Tutor**, Lowell House, Harvard University  
2008 **Student Career Adviser**, Jacobs University Bremen

## **AWARDS**

2017 **CHI 2017 Best Paper Award** for [C.7]  
2016 **CHI Best Paper Honorable Mention** for [C.6]  
2015 **HCOMP Best Paper Award** for [C.4]  
2013 **CHI Best Paper Honorable Mention** for [C.2]  
2016–2019 **Excellent Reviewer Recognition** (CSCW'20, CHI'19, CHI'18, DIS'18, CHI'16)  
2020 **College of Engineering Excellence in Teaching Student Award**, University of Washington  
2019 **Society of Women Engineers Outstanding Female**, University of Washington  
2018 **Grace Hopper Scholar**  
2014 **PhD Entrance Award**, HCDE Department  
2013 **Google Travel Grant** for CHI'13  
2008 **Grace Hopper Scholar**  
2008 **DAAD Award** (German Academic Exchange Service), Bremen, Germany  
2006–2008 **Undergraduate Merit Scholarship** Jacobs University  
2006 **Erasmus Scholarship**, University of Provence, France (for semester abroad)