

# Elena Agapie

eagapie@uci.edu  
http://eagapie.com  
510-621-3536

## EMPLOYMENT

2020–Present     **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

## EDUCATION

2014–2020     **University of Washington**  
Ph.D., Human Centered Design and Engineering  
Dissertation: Designing for Human Supported Evidence-Based Planning  
Committee: Sean Munson, Gary Hsieh, Wanda Pratt, Patricia Arean, Amy Ko

2009–2012     **Harvard University**, School of Engineering and Applied Sciences  
M.S., Computer Science

2006–2009     **Jacobs University Bremen**, Germany  
B.Sc., Computer Science

## POSITIONS

06/15–09/15     **Fuji Xerox Palo Alto Research Lab**, Palo Alto, CA  
Research Intern

09/13–05/14     **Microsoft Research, FUSE Labs**, Redmond, WA  
Research Staff

06/13–09/13     **NASA, Jet Propulsion Laboratory**, User Interfaces Group, Los Angeles, CA  
Research Intern

06/12–09/12     **Fuji Xerox Palo Alto Research Lab**, Palo Alto, CA  
Research Intern

06/09–09/09     **Intel Labs**, Santa Clara, CA  
Research Intern

01/09–05/09     **UC Berkeley, California Center for Innovative Transportation**, Berkeley, CA  
Intern

06/08–08/08     **UC Berkeley, Automation Sciences Lab**, Berkeley, CA  
Research Intern

06/07–08/07     **UCLA, Center for Embedded Networked Sensing**, Los Angeles, CA  
Research Intern

## 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/fgjt2h>)

2021     C.12     **Conducting HCI Research in the Health Domain: Challenges and Best Practices for Transformative and Collaborative Research**  
*E. Agapie, S. Poblete, S. Haldar*  
*Under review: CHI'22*

- 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

## JOURNAL PAPERS

- 2021 J.1 **Longitudinal Goal Setting: A Holistic, Longitudinal Process of Transformative Understanding in Mental Health**  
*E. Agapie, P. Arean, G. Hsieh, S. Munson*  
*Under review: Proceedings of the ACM: Human-Computer Interaction, CSCW*

## WORKSHOP AND LIGHTLY REVIEWED PAPERS

- 2020 W.11 **Coordinated Outreach: An Organic Model of STEAM Outreach Efforts**  
W. Roldan, T.S. Bipat, J. Carr, E. Agapie, A. Davidson, J.A. Turns, ASEE Annual Conference 2020
- W.10 **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 (conference cancelled due to covid-19)
- 2019 W.9 **Designing for the Self: Enabling People to Design Behavioral Interventions**  
E. Agapie, Doctoral Consortium, CHI'19
- 2018 W.8 **Developing an Adaptable K-12 HCI Curriculum**  
E. Agapie, A. Davidson, CHI'18, HCI Education Workshop
- 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

## ABSTRACTS

- 2021 A.5 **Challenges and Best Practices in Designing Technologies in Teams of Health and Technology Design Researchers**  
E. Agapie, S. Poblete, S. Haldar  
*Under review: SBM, Society of Behavioral Medicine Annual Meeting & Scientific Sessions*
- 2020 A.4 **HarborBot: A Chatbot for Social Needs Screening**  
E. Agapie, R. Kocielnik, A. Argyle, D.T. Hsieh, K. Yadav, B. Taira, G. Hsieh  
WISH 2020: Workshop in Interactive Systems in Health at AMIA
- A.3 **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 A.2 **User-Centered Design Workshops for K-12 Outreach**  
E. Agapie, A. Davidson, University of Washington Teaching and Learning Symposium, 2018

2016    A.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*

## MAGAZINE ARTICLES

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

## 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

\$5,330    **UC Irvine, Council on Research, Computing and Libraries (CORCL)**  
(2021)    *Designing Usable Evidence Based Health Technologies*

\$50,000    **NIMH, UW Alacrity Center for Psychosocial Interventions, R03 Pilot Project Award**  
(2019-2021)    *Supporting Iterative Design of Homework in Problem Solving Therapy, Co-PI: P. Areán*

## AWARDS

2020    UCI ADVANCE Career Development award for the Faculty Success Program

2020    College of Engineering Excellence in Teaching Student Award, University of Washington

2020    HCDE Graduate Award for Leadership & Engagement, University of Washington

2019    Doctoral Consortium Support Grant, CHI 2019

2019    Society of Women Engineers Outstanding Female, University of Washington

2018    Grace Hopper Scholar

2014    PhD Entrance Award, HCDE Department

2013    Google Travel Grant

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

## PAPER AWARDS

2016-2021    Excellent Reviewer Recognition (CHI'21, DIS'21, CSCW'20, CHI'19, CHI'18, DIS'18, CHI'16)

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]

## 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

2021	TG.6	IN4MATX 190, Special Topics in Informatics, UC Irvine, Guest Lecture, Designing for Behavior Change
2021	TG.5	IN4MATX 299, Consumer Health Informatics, UC Irvine, Guest Lecture, Designing for Behavior Change
2020	TG.4	HCDE 419 Concepts in Human Computer Interaction, University of Washington, Guest Lecture, Crowdsourcing for Behavior Change
2020	TG.3	CS 179 Design of Useful and Usable Interactive Systems, Harvard University, Guest Interview, Designing for Behavior Change
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

## TEACHING

### UNIVERSITY OF CALIFORNIA, IRVINE

#### Instructor

Fall 2021	User Interface Design and Evaluation, IN4MTX 231, 19 students
Fall 2020	Introduction to Human Computer Interaction, IN4MTX 131, 300 students
Fall 2020	User Interface Design and Evaluation, IN4MTX 231, 9 students

### UNIVERSITY OF WASHINGTON

#### Instructor

2019-2020	Directed Research: Mental Health in Everyday Life, HCDE 496/596 16 undergraduate and graduate students, over 3 quarters, variable credit
2018-2019	Introduction to Programming, HCDE 598, 40 master students, 2 credits Course evaluation: 4.1/5 (Fall 2018), 4.9/5 (Winter 2019)
2015-2018	Directed Research: Technology for Exercise Behavior Change, HCDE 496/596 (with Sean Munson, Gary Hsieh), 17 undergraduate students, 2 quarters, variable credit
2016-2018	Directed Research: K-12 Design Thinking Curriculum, HCDE 496/596 (with Andrew Davidson) 51 masters and undergraduate students, 5 quarters, variable credit

## INTERNATIONAL INVITED COURSES

### Instructor

- 2018 Human Centered Design for Health Informatics, Universidad Peruana Cayetano Heredia, Peru, Winter 2018, 18 master students
- 2011 Web Development, Middle East Entrepreneurs of Tomorrow, Jerusalem (with Erik Bakke), Summer 2011, 25 high school students

## HARVARD UNIVERSITY

### Teaching assistant

- 2012 CS50 Introduction to Computer Science
- 2011 CS179 Design of Usable Interactive Systems

## JACOBS UNIVERSITY BREMEN, GERMANY

- 2007-2008 Head tutor and organizer of the Math Support Center

## ADVISING AND MENTORING

### UC IRVINE

- 2020-2021 Meeshu Agnihotri (Informatics, PhD), Summer 2021-Present  
Bruna Oewel (Informatics, PhD), Fall 2020-Present  
Sharmaine Poblete (Informatics, M.S.), Winter 2021-Present  
Sneha Patrachari (Master of Human Computer Interaction and Design), Fall 2021-Present  
Ariel Chen (Master of Human Computer Interaction and Design), Fall 2021-Present  
Neeraj Dharmadhikari (Computer Science, M.S.), Winter 2021-Present  
Fatima Ali (Computer Science, B.S.), Winter 2021-Present

### UNIVERSITY OF WASHINGTON

- 2020-2021 Ciana Yi (Interaction Design, B.S.)
- 2019 Dawn Ferguson (HCDE M.S.)
- 2018 Yeh-Eun Lee (HCDE B.S.)
- 2017 Shin Young 'Lucia' Choi (HCDE B.S.)
- 2017 Miki Liu (B.S.)
- 2016 Sayna Parsi (HCDE B.S.)

## PROFESSIONAL DEVELOPMENT TALKS

- 2021 TP.10 Career Paths in HCI, CS 374 Introduction to HCI, KAIST, panelist
- TP.9 How to create a Mentor Network, Informatics Professional Development Seminar, UC Irvine
- 2020 TP.8 Doing a PhD in HCI, Office of Access and Inclusion, UC Irvine
- TP.7 Career Paths in HCI, CS279r Research Topics in HCI: Human-AI Interaction, Harvard University, panelist
- TP.6 Reflections on Tenure Track Job Search, HCDE 547, University of Washington
- 2018 TP.5 Research experiences for undergraduate students, CSE 190B Current Topics in Computer Science and Engineering: Direct Admit Seminar, University of Washington
- 2017 TP.4 Working with Your PhD Advisor, DUB student retreat, University of Washington, panellist
- 2016 TP.3 How to Get PhD Internships, DUB student retreat, University of Washington, panel moderator

	TP.2	Doctoral Symposia and PhD Summer Schools, DUB student retreat, University of Washington, panel moderator
2015	TP.1	Graduate Student Panel for Women Undergraduates in Engineering, SWE: Society for Women Engineers, University of Washington, panellist

## PROFESSIONAL SERVICE

### CONFERENCE PROGRAM AND ORGANIZING COMMITTEES

2021	CHI 2022, Program Committee, Associate Chair
2020	CHI 2021, Program Committee, Associate Chair
2020	Microsoft Research, New Future of Work, Program Committee
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

2011-2021	ACM CHI, Recognition for Excellent Review CHI'21, CHI'19, CHI'18, CHI'16
2014-2021	ACM CSCW, Recognition for Excellent Review CSCW'19
2017-2021	ACM DIS, Recognition for Excellent Review DIS'21, DIS'18
2019	IMWUT
2019, 2017	ACM Creativity and Cognition
2019	ACM TEI
2015, '18, '20	ACM MobileHCI
2018	AMIA
2017	Pervasive Health
2017	ACM UIST
2021	JAMIA
	128+ papers reviewed to date

### OTHER CONFERENCE SERVICE

2019-2021	Session Chair CHI'19, CHI'21
2020	Session Chair at the New Future of Work Symposium
2019	CHI Diversity Lunch Table Leader
	Student volunteer: CSCW'18, CSCW'16, CHI'16, CHI'13, UIST'10

### DEPARTMENT AND UNIVERSITY SERVICE

2021	ICTS Mixed Methods Task Force, UC Irvine
	PhD Visit Days Co-Organizer, UC Irvine
	PhD and MS Admissions Committee, UC Irvine
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 (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

## **PROFESSIONAL DEVELOPMENT**

2021	mHealth Training Institute
2021	Faculty Success Program, National Center for Faculty Development and Diversity
2020	DTEI Faculty Working Groups, Division of Teaching Excellence and Innovation, UC Irvine
2020	Faculty Course Design Institute, Division of Teaching Excellence and Innovation, UC Irvine
2019	Consortium of Sociotechnical Systems (CSST)