Elena Agapie

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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

JOURNAL PUBLICATIONS

2022   J.3   **Conducting HCI Research in the Health Domain: Challenges and Best Practices for Transformative and Collaborative Research**
E. Agapie, S. Haldar, S. Poblete
Proceedings of the ACM: Human-Computer Interaction, Volume 6, Issue CSCW 2022

J.2   **A Longitudinal Goal Setting Model for Addressing Complex Personal Problems in Mental Health**
E. Agapie, P. Areán, G. Hsieh, S. Munson
Proceedings of the ACM: Human-Computer Interaction, Volume 6, Issue CSCW 2022

J.1   **Understanding Mental Health Apps for Youth: A Focus Group Study with Latinx Youth**
E. Agapie, K. Chang, S. Patrachari, M Neary, SM. Schueller
JMIR Formative Research, 2022

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**)

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 AND LIGHTLY REVIEWED PAPERS

2022   W.14   **Managing Multiple Wellbeing Goals**
M. Agnihotri, *E. Agapie*
CHI'22, Workshop on Challenges, Tensions, and Opportunities in Designing Ecosystems to Support the Management of Complex Health Needs

  W.13   **Personalization of mental well-being apps through AI**
N. Wong, P. Seshadri, M. Agnihotri, B. Oewel, *E. Agapie*

CHI'22 Workshop on Grand Challenges for Personal Informatics and AI

	W.12	**Self-Determination Theory Applied to Long-Term Engagement with Technology**
		B. Oewel, *E. Agapie*, M. Reddy
		CHI'22, Workshop on Self-Determination Theory in HCI: Shaping a Research Agenda
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
2019	W.9	**Designing for the Self: Enabling People to Design Behavioral Interventions**
		E. Agapie
		CHI'19, Doctoral Consortium
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. Golovchinky, 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 AND POSTERS

2022	APS.7	**Designing for collaboration and engagement with mental health therapy activities**
		B. Oewel, *E. Agapie*
		Society for Digital Mental Health, Annual Conference 2022
	APS.6	**Understanding healthy eating and food related activities during life events**
		SW Ha, N Nurain, E Agapie, CF Chung
		Annals of Behavioral Medicine 56, SBM 2022: Society of Behavioral Medicine Annual Meeting

	APS.5	**Challenges and Best Practices in Designing Technologies in Teams of Health and Technology Design Researchers**

E. Agapie, S. Poblete, S. Haldar

Annals of Behavioral Medicine 56, SBM 2022: Society of Behavioral Medicine Annual Meeting

2020	APS.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

	APS.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. Areán

Annals of Behavioral Medicine 54, SBM 2020: Society of Behavioral Medicine Annual Meeting

2018	APS.2	**User-Centered Design Workshops for K-12 Outreach**

E. Agapie, A. Davidson

University of Washington Teaching and Learning Symposium, 2018

2016	APS.1	**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

$149,989
(2022-2023)

NSF EAGER, IIS-2233738
Curating and representing mental health data to support therapists in personalized care
Sole PI

$5,150
(2022)

UC Irvine, Council on Research, Computing and Libraries (CORCL)
How AI-driven health recommender systems can undermine or support user behaviour
Sole PI

$15,000
(2022)

UC Irvine, Noyse Fellowship
AI and Health Equity
Co-PI with Y. Chen, D. Epstein, S. Young, K. Zheng

$5,330
(2021)

UC Irvine, Council on Research, Computing and Libraries (CORCL)
Designing Usable Evidence Based Health Technologies
Sole PI

$50,000
(2019-2022)

NIMH, UW Alacrity Center for Psychosocial Interventions, R03 Pilot Project Award
Supporting Iterative Design of Homework in Problem Solving Therapy
Co-PI with 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

INVITED TALKS AND PANELS

2022	T.12	AMIA 2022 Annual Symposium, American Medical Informatics Association Realizing Advanced Computing Technologies in Health Informatics, Strategies for Effective Research Collaborations (panel)
	T.11	HCIC 2022, Human Computer Interaction Consortium Designing Technology in HCI-Health Collaborations: Challenges and Opportunities from a Team Science Perspective
2019	T.10	KAIST Designing for the Intersection of Evidence and Everyday Life
	T.9	UC Irvine, Informatics 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	University of Washington, DUB Seminar Building up STE(A)M: The UCD Charrette for K-12 Outreach
2014	T.4	SXSW 2014: South by Southwest Interactive The LOLs of Nations: Understanding Global Memes (panel)
	T.3	MIT Media Lab, Center for Civic Media Crowdsourcing Event Reporting
	T.2	University of Washington, DUB Seminar Crowdsourcing Event Reporting
2013	T.1	Microsoft Research Overcoming the Filter Bubble with User Interface Design

GUEST LECTURES

2022	TG.7	UC Irvine, NS211, Nursing and Interdisciplinary Research to Improve Human Health Supporting Health Goals Using Technology: A Human-Centered Design Approach to Tailoring Support

2021	TG.6	UC Irvine, IN4MATX 190, Special Topics in Informatics
		Designing for Behavior Change
	TG.5	UC Irvine, IN4MATX 299, Consumer Health Informatics
		Designing for Behavior Change
2020	TG.4	University of Washington, HCDE 419 Concepts in Human Computer Interaction
		Crowdsourcing for Behavior Change
	TG.3	Harvard University, CS 179 Design of Useful and Usable Interactive Systems, Guest Interview
		Designing for Behavior Change
2019	TG.2	University of Washington, HCDE 210 Explorations in Human Centered Design
		Crowdsourcing Behaviour Change Support with Expert Guidelines and Everyday Constraints
2018	TG.1	University of Washington, INFO 200 Intellectual Foundations of Informatics
		Crowdsourcing Behaviour Change Support with Expert Guidelines and Everyday Constraints

TEACHING

UNIVERSITY OF CALIFORNIA, IRVINE

Instructor

Win 2022	Design for Wellness, IN4MATX 295
Win 2022	Introduction to Human Computer Interaction, IN4MTX 131
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 |

ADVISING AND MENTORING

UC IRVINE

2021-2022	Mehreen Masood, PhD Informatics, Fall 2022-Present
	Meeshu Agnihotri, PhD Informatics, Fall 2021-Present
	Bruna Oewel, PhD Informatics, Fall 2020-Present
	Jun Zhu, Master of Informatics, Summer 2022-Present
	Jodie S. Lee, Business Economics, B.S., Spring 2022-Present
	Sharmaine Poblete, Master of Informatics, Winter 2021-Spring 2022
2020-2021	Ariel Chen, Master of Human Computer Interaction and Design, Fall 2021-Fall 2021
	Sneha Patrachari, Master of Human Computer Interaction and Design, Fall 2021-Summer 2021
	Fatima Ali, Computer Science, B.S., Winter 2021-Spring 2021
	Neeraj Dharmadhikari, Computer Science, M.S., Winter 2021-Spring 2021

UNIVERSITY OF WASHINGTON

2019	Ciana Yi (Interaction Design, B.S)
2018	Dawn Ferguson (HCDE M.S.)
2017	Yeh-Eun Lee (HCDE B.S.)
2017	Shin Young 'Lucia' Choi (HCDE B.S.)
2016	Miki Liu (University of Washington, incoming undergraduate student)
	Sayna Parsi (HCDE B.S.)

PROFESSIONAL SERVICE

CONFERENCE PROGRAM AND ORGANIZING COMMITTEES

2022-2023	CHI 2023, Program Committee, Health Sub-committee, Associate Chair
2022	CSCW 2022, Emerging Scholars Committee, Co-chair
2021	CHI 2022, Program Committee, Health Sub-committee, Associate Chair
2020	CHI 2021, Program Committee, Understanding People Sub-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

2011-2022	**ACM CHI**, Recognition for Excellent Review CHI'21, CHI'19, CHI'18, CHI'16
2014-2022	**ACM CSCW**, Recognition for Excellent Review CSCW'19
2017-2021	**ACM DIS**, Recognition for Excellent Review DIS'21, DIS'18
2022	TOCHI
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
2019	CHI Diversity Lunch Table Leader
	Student volunteer: CSCW'18, CSCW'16, CHI'16, CHI'13, UIST'10

DEPARTMENT AND UNIVERSITY SERVICE

UC IRVINE

2021-2022	ICTS Mixed Methods Task Force, UC Irvine
2021-2022	PhD Visit Days Co-Organizer, UC Irvine
	PhD and MS Admissions Committee, UC Irvine

OUTREACH AND PROFESSIONAL DEVELOPMENT TALKS

2022	TP.11	How to create a Mentor Network, Informatics Professional Development Seminar, UC Irvine
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
	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
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

UNIVERSITY OF WASHINGTON

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

PROFESSIONAL DEVELOPMENT

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