

SUSANNA RAJ

AI Ethicist | Founder | Cognitive Science Researcher | Public Speaker | Artist | Writer

PUBLIC SPEAKER

- Speaker, Host and Panelist at IoT Day International 2021.
 - Speaker on Intro to AI Ethics @Teensai #GirlsInAI Hackathon 2021.
 - Panelist on Ethical Implications of AV @ WAI (Women in AI Global Summit 2020).
 - AI Panel Moderator at AI Summit @Ethics4NextGenAI 2020.
 - Speaker at Kaggle-Meet UP @ A.I.M 2020.
 - Guest Speaker on AV Ethics and Agency of Passengers @DriverlessWorldSchool 2020.
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EDUCATION

Santa Clara University, B.SC in Psychology & Studio Art, 2016

EXPERIENCE

FOUNDER of AI4Nomads 2020 - present

A Public Benefit Corp that is building a Mobile Data Annotation Platform with a Trio Philanthropic focus of eliminating Digital Illiteracy around the Globe, empowering women with Financial Independence and ensuring Diversity in AI Training Data Labeling. Aligned with United Nations SDGs #1, 2, 5 & 8. Website in progress along with MVP of the platform.

INDEPENDENT RESEARCHER 2018 - present

Researching AI Ethics related to cultural context, bias in ML, health, autonomous vehicles, and automation. Research in emotion theories and memory science related to human behavior modeling in AI. Researching the algorithms behind AI in Art.

LANGUAGE DATA RESEARCHER @ Amazon Lab126 for Alexa Speech (Contract) Jun 2019 – Jan 2020

Alexa Speech team on linguistic benchmarking of ASR (Automatic Speech Recognition) models. Scoping, coordinating, executing, and analyzing A/B testing projects. Executing framework validation tests, end to end with QA assessment of data in natural language speech for Alexa. Also revamped existing documentation to be more easily accessible and comprehensible to new members.

AFFECTIVE COMPUTING RESEARCH ASSISTANT I @ Intel Corporation (Contract) Jun 2016 – Dec 2017

Successfully modeled human emotions into quantifiable metrics for AI training. Collaborated with sentiment analysis engineers on training algorithms to recognize emotions by gathering emotion data from humans for EMA (Ecological Momentary Assessment) through wearable technology and smart phones. Ran usability testing of a novel UI (user interface) prototype for a mobile app. Co-authored a research paper on UI Emotion modeling in mobile apps.

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RESEARCH ASSISTANT @ Department of Developmental Psychology, SCU Feb 2015 – Jun 2016

- Childhood Language Development Study
- Face Processing Study
- Conducted an Exposure to Diversity in Relationships Study
- Arrupe Placement

ASSISTANT TO DIRECTOR @ Nasa Ames Center (Volunteer) May 2012 – Jun 2013

Successfully assisted the director in procuring accreditation with 100% rating in multiple NAEYC standards. Researched accreditation policies and obtained relevant information for documentation while digitizing records with emphasis on accessibility and efficiency.

RESEARCH PUBLICATIONS

Paper Published at MobileHCI 2018

Circles Vs Scales: <https://dl.acm.org/doi/abs/10.1145/3229434.3229440>

Poster Abstract at WiML Workshop 2020 co-held at NeurIPS 2020.

Cognitive Diversity in AI/ML Pipeline: <https://docs.google.com/document/d/1ljXdrZ3aixPA-xlpv70nuljPUneCYoW0kLjMBQzv-8/preview>

OTHER RELEVANT WORK

ADVISOR @ IVOW.ai (Volunteer) April 2020 - Present

- Advising on cultural awareness and storytelling for AI datasets
Published work: https://issuu.com/ivowai/docs/shaping_ai_systems_with_cultural_data

MEMBER @ DataEthics4All.org (Volunteer) April 2020 - Present

- Leadership Council member of the DataEthics4All Leadership Council
- Program Mentor: Brand & Communications
- AI Hackathon 2020 Organizing Committee Member

Contributing Author for DataEthics4All and Women in AI Ethics Magazine.

Speaker, Mentor & Judge at TeensInAI Hackathon 2021

Lead Mentor in @Digital Defense by HACKMAKERS – Nov 2020

Mentor in @BUILDWITHAI by HACKMAKERS – July 2020

- **RECIPIENT OF PRESIDENTIAL VOLUNTEER SERVICE AWARD – 2021**
- **RECOGNIZED AS 100 AI DIET CHAMPIONS - 2021**

SUSANNA RAJ

ONGOING PERSONAL ART PROJECTS:

As a Participant in NASA SPACE APPS COVID-19 SPECIAL HACKATHON 2020, I started the project of chronicling the noise, light, and air pollutions as well as life during a pandemic from the Earth's perspective. Painting with data to create large scale and small-scale artworks that speak the story of Earth for future generations. <https://earth2pandemozo.co/index.html>

Published artwork multiple times and held many art exhibitions.

Notable was the Senior Art Show where 6 Cognitive Science theories of Memory were represented through paintings. Notable art publication included the Hedy Lamarr Series. All are available to view on the art website. (<https://susannaraj53.wixsite.com/susannarajart>)

OTHER RELEVANT LINKS:

LinkedIn: <https://www.linkedin.com/in/susanna-raj/> Twitter: <https://twitter.com/SusannaRaj> Personal Art Website: <https://susannaraj53.wixsite.com/susannarajart>

Write-ups about me:

- <https://www.dataethics4all.org/posts/meet-susanna-raj-dataethics4all-program-mentor-brand-and-communications-and-our-diet-champion-2021>
- <https://www.linkedin.com/feed/update/urn:li:activity:6786087803768963072/>
- <https://www.scu.edu/cas/psychology/news-and-events/news/susanna-raj.html>
- <https://www.linkedin.com/pulse/inviting-you-learn-from-womansplaining-experts-womens-sudhamthe/?trackingId=wSFy%2FTgx1X8rVbwVeMw2AQ%3D%3D>

Research Professional Profiles:

- <https://www.researchgate.net/profile/Susanna-Raj-2>

List of articles written by me:

- <https://www.dataethics4all.org/posts/world-kindness-day>
- <https://www.dataethics4all.org/posts/how-do-you-like-your-traditions-rare-medium-or-well-done>
- <https://medium.com/@susannaraj53>
- <https://www.linkedin.com/pulse/some-good-news-susanna-raj/>

My public talks:

- <https://www.youtube.com/watch?v=IsD4EWY1a4>
- <https://www.youtube.com/watch?app=desktop&v=XUV9lyvlGoM>
- <https://www.youtube.com/watch?v=udOV3YBjYCQ&list=PLcKLtqLsfOm9-vhj5eXSHGAUw3tfdjxz&index=11>
- <https://www.youtube.com/watch?v=pxynlWFgu20>
- https://www.youtube.com/watch?v=kFSr1y_v-Q
- <https://www.youtube.com/watch?v=waX6RSHxSjY>

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