

JEN REN

CONTACT

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EDUCATION

M.D.	Icahn School of Medicine at Mount Sinai	2020 - Present
	Stanford University	2013 - 2018
B.A.	Human Biology, <i>concentration in Health Systems and Policy</i>	
Minor	Computer Science	

JOURNAL PUBLICATIONS

* equal contribution

- J1. Spatial Design of Centers of Care for Patients with Visual Impairment: A Systematic Review
Stephanie Ying, **Jennifer Ren**, Simran Malhotra, John Bucuvalas
In submission
- J2. Homebound Vaccination Campaigns as a Lever for Health Equity
Jennifer Ren*, Anish Kumar*, Duzhi Zhao, Katherine Ornstein, Peter Gliatto
In submission
- J3. [The Inappropriate Consult: Discordant Expectations of Specialty Expertise and Areas for Improvement in Interdisciplinary Resident Education](#)
Charles Sanky, Caroline Gentile, **Jennifer Ren**, Eric Bortnick, Stephen Krieger
Neurology Education, 2023
- J4. [Using Machine Learning to Efficiently Vaccinate Homebound Patients Against COVID-19: A Real Time Immunization Campaign](#)
Anish Kumar*, **Jennifer Ren***, Katherine Ornstein, Peter Gliatto
Journal of Medical Internet Research, 2022
- J5. [Assessment of Published Literature Regarding Skin of Color in Pediatric Dermatology](#)
Mary Sun, Britney Wilson, Sarah Weitzman, **Jennifer Ren**, Dedee Murrell, Jenny Murase
Pediatric Dermatology, 2021
- J6. [Covid-19 Vaccines for Homebound Patients and Their Caregivers](#)
Peter Gliatto, Emily Franzosa, Silvia Chavez, Amber Ng, Anish Kumar, **Jennifer Ren**, Linda DeCherrie, Katherine Ornstein
NEJM Catalyst, 2021

OTHER PUBLICATIONS

- O1. [H1 2021 Digital Health Funding: Another Blockbuster Year... In Six Months](#)
Adriana Krasniansky, Megan Zweig, Bill Evans, Jasmine DeSilva, Pavan Shah, **Jennifer Ren**, Gabrielle Dell'Aquilo, Charlotte Hawks, Claire Egan Doyle
Rock Health, 2021
- O2. [Enabling More Inclusive Healthcare: Four Market Approaches To LGBTQ+ Digital Health](#)
Adriana Krasniansky, **Jennifer Ren**, Jasmine DeSilva, Irene Golden, Megan Zweig
Rock Health, 2021

ORAL PRESENTATIONS

* equal contribution

- P1. Spatial Design of Centers of Care for Patients with Visual Impairment—A Systematic Review
Stephanie Ying*, **Jennifer Ren***, Simran Malhotra, John Bucuvalas
Healthcare Design Conference + Expo, 2023

- P2. Trauma Activations from Electric Scooter, E-bike, and Moped Use - Before and During the COVID-19 Pandemic
Charles Sanky, **Jennifer Ren**, Alexander Meshel, Rebecca Chou, David Youssef, Julian Sackey, Ryan O'Halloran, Chad Meyers
American College of Emergency Physicians (ACEP) & Annals of Emergency Medicine, 2023
- P3. [Empowering medical students with peer-to-peer learning: case studies in medical AI education](#)
Areeba Abid*, Adrien Ezerzer*, Katherine Link*, **Jen Ren***
Association For Medical Education In Europe (AMEE), 2022
- P4. Architecture Can Heal: Using Spatial Literacy to Adapt Health Care Spaces During the COVID-19 Pandemic
Ashley Marsh, Amie Shao, John Bucuvalas, Michael Dolinger, Neel Shah, **Jennifer Ren**, Grace Galvin
Institute for Healthcare Improvement (IHI) Forum, 2020

ABSTRACTS AND POSTER PRESENTATIONS

* equal contribution

- A1. Addressing Differences In Anticipated Versus Actual Cochlear Implant Processor Usage: A Quality Improvement Initiative
Jennifer Ren, Lorie Singer, Sabrina Vitulano, Zachary Schwam, Jason Adams, Enrique Perez, George Wanna, Maura Cosetti
American Cochlear Implant Alliance (ACIA), 2024
- A2. Evaluating The Impact of Sleep Position on Efficacy of Hypoglossal Nerve Stimulation
Horacio Romero Castillo, Nikhita Jain, **Jennifer Ren**, Brandon Oby, Fred Lin, Courtney Chou, Emmanuel During
American Academy of Sleep Medicine and Sleep Research Society (SLEEP), 2024
- A3. Needs Assessment for Enhanced Nutrition Education in Undergraduate Medical Education
Nina Rodriguez, Nicola Feldman, **Jennifer Ren**, Yeji Park, Matthew Lin, Rainier Soriano
Association of American Medical Colleges Northeast Group on Educational Affairs (AAMC NEGEA), 2024
- A4. [Treatment patterns of complex patients dually diagnosed with vestibular migraine and Meniere's Disease: a retrospective single-center cohort study](#)
Jennifer Ren, Susmita Chennareddy, Jennifer Kelly, Andrea Feghali, Maura Cosetti, Zachary Schwam, Enrique Perez
Combined Otolaryngologic Spring Meeting / American Otologic Society (COSM/AOS), 2024
- A5. [Audiologic Outcomes Following Spontaneous Temporal Bone Encephalocele and CSF Leak Repairs](#)
Avanish Yendluri, **Jen Ren**, Maria Mavrommatis, Enrique Perez, Maura Cosetti, George Wanna, Zachary Schwam
Combined Otolaryngologic Spring Meeting / American Neurotology Society (COSM/ANS), 2024
- A6. [Endoscopic Stapedotomy: Does Oval Window Packing Matter?](#)
Maria Mavrommatis, Jun Yun, **Jennifer Ren**, Maura Cosetti, Enrique Perez, George Wanna, Zachary Schwam
Combined Otolaryngologic Spring Meeting / American Otologic Society (COSM/AOS), 2024
- A7. Characterizing Homebound Patients Who Benefit From Home-Based Vaccinations During The Covid-19 Pandemic
Jennifer Ren*, Anish Kumar*, Duzhi Zhao, Katherine Ornstein, Peter Gliatto
American Academy of Home Care Medicine (AAHCM), 2023
- A8. [Spatial Design of Centers of Care for Patients with Visual Impairment—A Systematic Review](#)
Stephanie Ying, **Jennifer Ren**, Simran Malhotra, John Bucuvalas
Women in Ophthalmology Summer Symposium, 2023
- A9. [Characterizing Homebound Patients Who Benefit From Home-Based Vaccinations During The Covid-19 Pandemic](#)
Jennifer Ren*, Anish Kumar*, Duzhi Zhao, Katherine Ornstein, Peter Gliatto
Annual Scientific Meeting of the American Geriatrics Society (AGS), 2023

- A10. [Lessons learned from peer-to-peer education: an international trend in medical AI](#)
Areeba Abid*, Adrien Ezerzer*, Katherine Link*, **Jen Ren***
Association For Medical Education In Europe (AMEE), 2022
- A11. [Optimizing Geospatial Routes with Machine Learning for Home-Based COVID Vaccination Campaigns](#)
Anish Kumar, **Jennifer Ren**, Katherine Ornstein, Peter Gliatto
AcademyHealth Annual Research Meeting, 2022
- A12. [Leveraging Machine Learning for Route Planning: Efficiently Vaccinating Homebound Patients Against COVID-19](#)
Jennifer Ren, Anish Kumar, Peter Gliatto
American Academy of Home Care Medicine (AAHCM), 2021

INDUSTRY EXPERIENCE

Summer 2021	Research Fellow, Rock Health	Remote (HQ: San Francisco, CA)
	<i>Analyzed data on venture deals, M&A activity, and IPOs/SPACs in digital health.</i>	
2018 - 2020	Program Manager, Microsoft (Azure Machine Learning)	Bellevue, WA
	<i>Shipped tools to mount/upload, wrangle, explore, and prepare big data for machine learning. Initiated development efforts for data tooling to support Responsible AI practices.</i>	
Summer 2017	Product Management Intern, Civis Analytics	Chicago, IL
	<i>Managed feature development for git integration by collaborating with user experience designers and engineers. Shipped Python 2 and R kernels for hosted Jupyter Notebooks on the Civis Platform.</i>	
Summer 2016	Research Fellow, New York City Economic Development Corporation	New York, NY
	<i>Researched hospital M&A activity to design quasi-governmental initiatives to support NYC's healthcare sector.</i>	
2015	Product Design Intern, Counsyl (acquired by Myriad Genetics)	South San Francisco, CA
	<i>Conducted ethnographic research within ob/gyn clinics to inform product development decisions on patient education tools. Designed web-based tool to promote transparency around insurance billing.</i>	

INVITED TALKS

2024	Ohio State University College of Medicine Annual Education Symposium	Columbus, OH
	<i>Keynote speaker: "Future Direction of AI and Technology in MedEd"</i>	
2019	Strata Data Conference	San Francisco, CA
	<i>Workshop: "Forecasting financial time series with deep learning on Azure"</i>	
2019	Microsoft Build	Redmond, WA

TEACHING

Spring 2023	RAD 0333: AI in Healthcare	Advisor
Spring 2023	MDE 0529: Designing Healthy Cities	Advisor
Spring 2022	RAD 0333: AI in Healthcare	Co-Creator and Course Director
	<i>Provides an overview of the current medical AI landscape, common terminology and machine learning models, the benefits and limitations of AI in medicine, technical and ethical considerations, and how to critically evaluate AI models in research literature versus clinical settings.</i>	
Fall 2021	MDE 0529: Designing Healthy Cities	Co-Creator and Course Director
	<i>Provides students with a historical foundation for understanding the intersections between health and spatial design, moves into case studies to learn from their successes and challenges, and examines ongoing work in the (re)design of cities aimed at boosting urban health/health equity.</i>	

SERVICE

2021-2022	Executive Team, Mount Sinai Emergency Medicine Interest Group
	<i>Co-organized 2021 Northeast Medical Student Symposium. Organized skills nights. Ran virtual shadowing events.</i>

- 2020-2021 Co-Lead, **Diversity Innovation Hub (Incubator)**
Co-created the inaugural Incubator, which grows teams working on solutions to address social/structural determinants of health. Accepted 8 startups. Created 8 weeks of programming, hosted 4 workshops, and recruited 14 mentors from industry/clinicians. Managed team of 4. Disbursed \$2000 of prize money.
- 2017-2018 Resident Assistant, **Stanford Education and Society Theme (EAST) House**
Helped design and run education-themed programming. Cultivated community and supported residents' needs.

FELLOWSHIPS, HONORS, AND AWARDS

- 2023 The Ronald Hoffman, MD Research Fellowship, *Mount Sinai Department of Otolaryngology*
- 2021 Poster of the Year for the Single Practice Innovation, *American Academy of Home Care Medicine*
- 2021 Robert M. Kaiser Scholarship, *American Academy of Home Care Medicine*
- 2019 2nd Place (out of 54) in "Hack for Ethics" Category, *Microsoft Hackathon*
- 2017 Notation in Cardinal Service for Integrating Academic Learning with Public Service, *Stanford University*
- 2016 Stanford in Government Fellowship, *Stanford University*

PROFESSIONAL AFFILIATIONS

- 2023 - Surgical Palliative Care Society
- 2023 - Society of Surgical Ergonomics
- 2021-2022 American Academy of Emergency Medicine Resident & Student Association (AAEM/RSA)

SKILLS

Technical Languages	R, Python English (native), Mandarin (native)
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