

Curriculum Vitae

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EDUCATION

8/2000-8/2004 Bachelor of Science in Genetics; minors in Spanish and Business Administration, Texas A&M University, College Station, TX.
5/2004-5/2008 Doctor of Medicine, Baylor College of Medicine, Houston, TX.

RESIDENCY AND FELLOWSHIP TRAINING

7/2008-6/2011 Internship and Residency, Pediatrics, Children's Hospital and Research Center Oakland (now UCSF Benioff Children's Hospital Oakland), Oakland, CA
8/2011-7/2013 Pediatric Hospital Medicine Fellowship with Information Technology Focus, University of California San Diego/Rady Children's Hospital San Diego, San Diego, CA.

SCHOLARSHIPS AND HONORS

2000-2004 *Summa Cum Laude* graduate, Phi Eta Sigma National Honor Society, President's Endowed Scholar, Texas A&M University, College Station, TX
2008 Gold Humanism Society, Baylor College of Medicine, Houston, TX.

LICENSURE AND CERTIFICATES

2006-08 National Board of Medical Examiners, USMLE I, II, and III
1/2009 California Medical License, A110605, National Provider Identification 1629391354
1/2009 National Drug Enforcement Agency, Controlled Substances Certificate
6/2008 Pediatric Advanced Life Support certification (with continued renewal, last renewed June 2017)
10/2011 American Board of Pediatrics

ACADEMIC/PROFESSIONAL APPOINTMENTS

9/2013-current *Clinical Assistant Professor*, Department of Pediatrics, Division of Pediatric Hospital Medicine, Stanford University School of Medicine, Lucile Packard Children's Hospital at Stanford

CLINICAL TEACHING RESPONSIBILITIES

9/2013-current *Clinical Assistant Professor*, Department of Pediatrics, Division of Pediatric Hospital Medicine, Stanford University School of Medicine, Lucile Packard Children's Hospital at Stanford

TEACHING PRESENTATIONS

- 10/2016 *"Bedside Communication Strategies"* - Pediatric Hospital Medicine Fellows didactic presentation, Stanford University.
- 1/2016 *"Communication at the Bedside"*, Pediatric Resident noon conference lecture, Stanford University, Lucile Packard Children's Hospital Stanford, Palo Alto, CA.
- 8/2014 *"Leaving the Nest. Life after fellowship..."* Pediatric Hospital Medicine Fellows Conference, Park City, UT
- 6/2014 *"Feed Me! Working through Failure to Thrive"*, Pediatric Resident noon conference lecture, Stanford University, Lucile Packard Children's Hospital Stanford, Palo Alto, CA.
- 1/2013 *"Name that tune! A review of two common pediatric respiratory sounds"*. Presented to medical students on core pediatrics clerkship, and hospital medicine faculty members during interview at Lucille Packard Children's Hospital, Stanford University, Palo Alto, CA
- 3/2011 *"7 month old male turning blue"*, Professor's Rounds, Children's Hospital and Research Center Oakland, Oakland, CA
- 6/2010 *"3 month old male with vomiting, diarrhea, and fever....still"*, Resident Case Conference, Children's Hospital and Research Center Oakland, Oakland, CA

MENTORSHIP

- 7/2017 – Current Serve as a mentor for incoming intern in Pediatrics interested in career in Pediatric Hospital Medicine
- 7/2017 – Current Educators 4 Care Associates Program
- Volunteer as medical student teacher/facilitator for various Practice of Medicine activities at the Stanford School of Medicine for pre-clinical students including physical exam skills, history taking, patient presentations

HOSPITAL OR AFFILIATED INSTITUTION APPOINTMENTS AND UNIVERSITY SERVICE ACTIVITIES

- 12/2013 - current Physician Lead, Hand Hygiene/Computer Vision and Artificial Intelligence collaborative, Lucile Packard Children's Hospital at Stanford.
- Working together with Professor Fei-Fei Li in the Stanford Computer Science department and the Stanford Clinical Excellence Research Center (CERC) on a novel project utilizing machine learning in the auditing of hand hygiene in the hospital setting.

<i>1/2017 – current</i>	<p>Medical Director of Clinical Informatics – Voalte communication platform, Lucile Packard Children’s Hospital Stanford</p> <ul style="list-style-type: none"> • Lead all efforts targeted towards attending physicians, residents, fellows, and advanced practice providers of in-hospital phone/texting technology to improve communication efficiency across clinical providers.
<i>9/2017 – current</i>	<p>Medical Director of Clinical Informatics - Real-Time Location Systems (RTLS) inpatient project, Lucile Packard Children’s Hospital Stanford</p> <ul style="list-style-type: none"> • Lead RTLS committee/team on understanding risks/benefits of badging physicians, providing insight into physician workflow in hospital, and working as part of steering committee for general governance and decision-making surrounding badging process of staff
<i>10/2017 – current</i>	<p>ACES (<i>Advancing Communication Excellence at Stanford</i>), Lucile Packard Children’s Hospital Stanford, trainer</p> <ul style="list-style-type: none"> • Selected as one of four pediatric physicians to complete the Stanford Hospital and Clinics (SHC) ACES training in preparation for creating a unique curriculum for communications training for Stanford Children’s Health enterprise • Once trained and curriculum developed, will serve as facilitator for small group workshops to start July 2019
<i>7/2016 – current</i>	<p><i>MyChart Bedside</i> pilot proposal group, Physician Lead, Lucile Packard Children’s Hospital Stanford</p> <ul style="list-style-type: none"> • Working as part of small multidisciplinary team to evaluate inpatient portal technology known as <i>MyChart Bedside</i> for implementation in yet to open new hospital.
<i>3/2015 – 12/2017</i>	<p>GetWell Optimization project, Physician/Clinical Lead, Lucile Packard Children’s Hospital Stanford</p> <ul style="list-style-type: none"> • Worked as part of multidisciplinary team to utilize existing inpatient entertainment system for increased patient engagement, education, and communication
<i>6/2015 – 9/2017</i>	<p>Physician Lead for the Office of Patient Experience, Lucile Packard Children’s Hospital Stanford</p>

OTHER ADMINISTRATIVE RESPONSIBILITIES OR COMMITTEE ASSIGNMENTS

<i>7/2017 – current</i>	<p>Pediatric Hospital Medicine Fellowship selection committee</p> <ul style="list-style-type: none"> • As a PHM division member, interview multiple candidates for our fellowship program • Assist in generating final rank list for potential fellowship candidates.
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- 7/2016 – current Information Systems Physician Advisory Group (IS-PAG), Lucile Packard Children’s Hospital Stanford, member
- Represent the Division of Pediatric Hospital Medicine regarding all major IS changes and updates
 - Participate in smaller group of core Clinical Informaticist physicians (CI-MDs) and help with strategic planning and implementation of clinical IS projects at LPCH
- 7/2016 – current Clinical Informatics Physician Group (CIMD)
- Meet monthly as part of select group of IS-sponsored informatics physicians within the Department of Pediatrics chaired by Dr. Natalie Pageler (Chief Medical Informatics Officer at LPCH) to discuss relevant clinical informatics issues at LPCH.
 - Participate in journal club once a year presenting information relevant to pediatrics and clinical informatics.
- 1/2015-3/2015 Stanford Pediatric Hospital Medicine Fellowship
- Worked on creation of formal learning objectives for required clinical rotations for PHM fellows.
- 10/2014 – 9/2016 Division of Pediatric Hospital Medicine website manager, Stanford University School of Medicine
- 7/2014 – 7/2015 Team/Site Administrator for the Value in Inpatient Pediatrics (VIP) Network’s Improving Community Acquired Pneumonia (ICAP) international quality improvement project, Lucile Packard Children’s Hospital Stanford
- 6/2014 – 6/2015 Physician Champion for Spok Mobile messaging pager Replacement project, Lucile Packard Children’s Hospital Stanford.

OTHER PROFESSIONAL POSITIONS

- 3/2014 - current Society of Hospital Medicine (SHM) Pediatrics Executive Council Member
- Serve on the larger executive council which generates content for the pediatrics track of the annual SHM meeting *Hospital Medicine* and works on other related endeavors contributing to the pediatric section and pediatrics special interest group of the Society for Hospital Medicine such as pediatric specific online MOC module development and national PHM quality improvement work.
- 7/2014 – 7/2017 Social Media co-chair for annual Pediatric Hospital Medicine conference sponsored jointly by the Academic Pediatric Association (APA), American Academy of Pediatrics (AAP), and the Society of Hospital Medicine (SHM).
- Selected along with a co-chair to serve as the responsible party for all social media related information, content, and communication regarding the annual PHM conference
 - Created unique content in promoting the conference utilizing Facebook, Twitter, and Instagram
- 9/2017- current Advisor, Memora Health
- Serve as clinical advisor and mentor to startup aimed at utilizing artificial intelligence to automate medical follow up with patients in both inpatient and outpatient settings.

PROFESSIONAL SOCIETIES

- 7/2008 - current Fellow, American Academy of Pediatrics
- Additional membership to the Section on Hospital Medicine (SOHM) and Council on Clinical Information Technology (COCIT).
- 8/2011 - current Member, Society of Hospital Medicine

EDITORIAL BOARDS/PEER REVIEW

- 5/2018 – current Pediatric Hospital Medicine Core Competencies publication revision – Associate Editor
- Work directly with managing editors editing several chapters of the large revision of the original Pediatric Hospital Medicine Core Competencies publication (2010).
 - Directly edit and review six key chapters in the Core Skills section.
 - Working additionally as an author for the chapter on communication.
- 9/2016 - current *Hospital Pediatrics* article reviewer for multiple submissions surrounding inpatient technology and hospital medicine.

POST-DEGREE HONORS, AWARDS, AND RECOGNITIONS

- 4/2018 Featured online as an invited guest for “The Hospitalist Corner” for the Section on Hospital Medicine Library website (<http://www.sohmlibrary.org/amt-singh.html>)
- 2014-2015 and
2015-2016 Pediatrics Clerkship Teaching Honor Roll, Stanford University School of Medicine Department of Pediatrics.
- 11/2014 Lucile Packard Children’s Hospital Stanford Special Recognition Award for exceptional service and contribution related to work in improving hand hygiene education for staff and visitors.

ADVANCED EDUCATION

- 11/2014 **Packard Quality Management Systems (PQMS) Leader Training, Palo Alto, CA.**
- Took part in three-day leadership workshop/training surrounding Lean methodologies and Process Improvement
- 11/2013 **Simulation Instructor Course, Center for Immersive and Simulation-based Learning, Stanford University, Palo Alto, CA.**
- Completed two-day intensive course on designing and implementing simulation-based curriculum for trainees
 - Received training on debriefing history and theory, as well as effective debriefing methods and structure
 - Designed actual simulation scenario as part of a small group and then carried out simulation followed by debriefing of participants.

- 01/2013 **Epic electronic medical record certification and training, Epic Systems Corporation, Verona, WI. EpicCare Inpatient Procedure Orders Certification, version 2010 and 2012, recertified for version 2014.**
- 7/2011-7/2013 **CREST (Clinical Research, Epidemiology, and Statistics) post-doctoral fellows course work, UCSD extension, San Diego, CA.**
- Attended select weekly coursework as part of fellowship curriculum
- 5/2012 -1/2012 **INQUIRY (Innovative Quality Improvement Research Program) Quality Improvement Training, Rady Children's Hospital San Diego, Level Two, completed January 2013.**
- 4/2012 **Pediatric Academic Societies Annual Meeting, Boston, MA. Certificate of Attendance - PAS Fellows Core Curriculum Workshop Track, which included:**
- Recognizing Common Biostatistical Errors in the Literature
 - Writing Your First Paper - How To Make Sure It Gets Accepted
 - Effective, Efficient, and Innovative Teaching as a Fellow
- 9-11/2012 **Principles of Bioinformatics, University of California San Diego, La Jolla, CA.**
- Attended introductory graduate-level coursework at UCSD as part of IT focus of fellowship training

BIBLIOGRAPHY

PEER-REVIEWED JOURNAL ARTICLES (ORIGINAL WORK)

Singh A, Rhee KE, Brennan JJ, Kuelbs C, El-Kareh R, Fisher ES. Who's My Doctor? Using an Electronic Tool to Improve Team Member Identification on an Inpatient Pediatrics Team. *Hospital Pediatrics*. 2016 Mar;6(3):157-65.

Islam S, Cooney T, **Singh A**, Petru AM, LaBeaud, AD. *Painful arthritis and extremity rash in an 8 year-old boy*. *Clin Infect Diseases*. 2012;54(10):1514-15.

- Helped with patient diagnosis and workup, data collection, image collection, as well as initial review of written article.

ABSTRACT/POSTER PRESENTATIONS

Singh A, Haque A, Guo M, Fei-Fei Li, Platchek T. *Using Artificial Intelligence to Monitor Hand Hygiene: a Novel Application of Computer Vision Technology in the Hospital*. Accepted as Quality Improvement/Safety Research Abstract Platform Presentation for the annual Pediatric Hospital Medicine conference, July 19-22, 2018. Atlanta, GA

Corrie E. McDaniel DO, **Amit T. Singh MD**, Jimmy B. Beck MD MEd, Krista Birnie MD, H. Barrett Fromme MD MHPE, Cherie F. Ginwalla MD, Elena Griego MD, Marta King MD MEd, Jennifer Maniscalco MD MPH MAcM, Joanne Nazif MD, Kamakshya P. Patra MD, Elizabeth Seelbach MD, Jacqueline M. Walker MD MHPE, Priti Bhansali MD Med. *Current Practices and Perspectives on Peer Observation and Feedback: A National Survey of Pediatric Hospitalists*. Poster presentation, Pediatric Hospital Medicine conference, July 19-22, 2018. Atlanta, GA

Haque A, Alahi A, Guo M, Yeung S, Luo Z, Rege A, **Singh A**, Jopling J, Downing L, Beninati W, Platchek T, Milstein A, and Fei-Fei L. *Towards Vision-Based Smart Hospitals: A System for Tracking and Monitoring Hand Hygiene Compliance*. Machine Learning in Healthcare Conference, August 18-19, 2017. Boston, MA, USA. (Accepted for future presentation in main conference track proceedings)

Yeung S, Alahi A, Haque A, Luo Z, Peng B, **Singh A**, Platchek T, Milstein A, Fei-Fei L. *Vision-Based Hand Hygiene Monitoring in Hospitals*. Poster presentation. Proceedings of the AMIA Symposium 2016. American Medical Informatics Association.

Singh A, Tholemeier L, Platchek T. *Just a friendly reminder...Improving hospital visitor hand hygiene practice with a verbal cue*. Poster presentation, American Academy of Pediatrics National Conference and Exhibition, Section on Hospital Medicine, Washington, DC, October 2015.

- Presented also at the Scientific Symposium as part of the Institute for Healthcare Improvement's 28th Annual National Forum on Quality Improvement, Orlando, FL, December 4-7, 2016
- Presented also at the annual Pediatric Hospital Medicine conference, July 21, 2017, Nashville, TN.

Yeung S, Alahi A, Luo Z, Peng B, Haque A, **Singh A**, Platchek T, Milstein A, Fei-Fei L. *Vision-Based Hand Hygiene Monitoring in Hospitals*. In Proceedings of the NIPS Workshop on Machine Learning in Healthcare 2015.

Le K, Destino L, MD, Laumann D, Platchek T, **Singh A**. *Covert Observations, Auditing, and Videos: A Multi-faceted Approach to Improving Hand Hygiene Adherence at LPCH*. PHM, July 2015, San Antonio, TX.

Singh A, Fisher E. *Are You My Doctor? The development and use of an electronic tool to improve communication on an academic inpatient pediatric hospital medicine (PHM) service*. PHM annual conference, July 2014, Orlando, FL.

- Presented also at the 2014 annual AAP NCE, October 2014, San Diego, CA.

Singh A, Fisher E. *Are You My Doctor? A survey of families' ability to correctly identify their treatment team members (TTM) in an academic inpatient pediatric hospital medicine service*. PHM annual conference, July 2013, New Orleans, LA.

Singh A. *Just another neonatal fever...or is it?* Clinical Conundrums poster, PHM annual conference, July 2013, New Orleans, LA.

Singh A. *Changing Physicians' Views: Improving the electronic medical record (EMR) "Results Review" (RR) and shifting behavior*. Presented at the Pediatric Hospital Medicine (PHM) annual conference, July 2013, New Orleans, LA.

WORKSHOPS/PRESENTATIONS

Amit Singh MD and Shanna Perales, *Who's My Doctor? Utilizing Epic's "sign in" functionality for physicians to improve Treatment Team usage and accuracy*. Physician Advisory Council, XGM conference, Epic Headquarters, Verona, WI, April 30th 2018.

Amit Singh, MD and Courtney Edgar-Zarate, MD. *Mirror Mirror on the Wall, Which Articles are the Fairest of Them all? Top Pediatric Updates*. Hospital Medicine 2018 Annual Conference. Society of Hospital Medicine. April 10th, 2018, Orlando, FL.

Amit Singh, MD and Akshata Hopkins, MD. *Going all in...The Top Articles (-ish) Of 2016 in Pediatrics*. Hospital Medicine 2017 Annual Conference. Society of Hospital Medicine. May 1-4, 2017, Las Vegas, NV.

Benz L, Nicome R, **Singh A**, Lopez M. *Keep Calm and Communicate On: Using Intentional Behaviors to Make Every Bedside Encounter a Success*. Pediatric Hospital Medicine Conference, July, 2017, Nashville, TN.

E King, **A Singh**, A Byrd, M Roy, A Hogan, J Kern, J Ronan, S Carney, R Hobbs. *iNeedHelp: Integrating Technology to Improve Teaching on Family-Centered Rounds*. Pediatric Hospital Medicine Conference, July, 2017, Nashville, TN.

SPECIAL MATERIALS

Singh AT. *Working to Make the Hospital Smarter*. Hospital Pediatrics. 2017 Feb;7(2):122-124. Epub 2017 Jan 3.

Singh, Amit. *"Mom, I'm going to be an INPATIENT doctor...(a graduating PHM fellow's musings on the past, present, and future)"*. Hospital Pediatrics 2013; 3:297-298.

DIGITAL PUBLICATIONS

Singh, Amit. *"Say What?!"* Blog post for [The Hospital Leader](#), official blog of the Society for Hospital Medicine, <http://blogs.hospitalmedicine.org/Blog/say-what/>, March 2015.