

Jared A. Shenson, M.D.

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Training & education

- 2016 – 2021 **Stanford University Hospitals, Stanford, CA**
Residency in Otolaryngology–Head & Neck Surgery
- 2012 – 2016 **Vanderbilt University School of Medicine, Nashville, TN**
Doctor of Medicine (M.D.)
- 2008 – 2012 **Yale University, New Haven, CT**
Bachelor of Science (B.S.) in Biology with Distinction
Concentration in Molecular, Cellular, and Developmental Biology

Honors & awards

- 2020 **Stanford Healthcare High Value Innovation Challenge Award**
“Prevention of tracheostomy-related pressure injuries (TRPIs)”
- 2019 **Otolaryngology–Head & Neck Surgery Exceptional Service Award, VA Palo Alto Health Care System**

Stanford Biodesign Award for Best Need & People’s Choice
Mobile screening tool for keratoconus
- 2018 **GSK ImmunoHack for Vaccinations, First Place**
iPad game to promote vaccination best practices for children
- 2016 **Vanderbilt Institute for Digital Learning Student Innovation Award**
Enhanced gross anatomy lab education using customized iPads

AMA Medical Education Innovation Challenge, First Place
National competition to imagine the medical school of the future
- 2015 **American Cochlear Implant Alliance Student Scholarship**
- 2014 **Innovation Forum Award for Best Oral Presentation, AAMC Information Technology in Academic Medicine Conference**
- 2013 **Clinical Trial Visualization Redesign Competition, Honorable Mention**
National competition to reimagine online clinical trial information
- 2012 **Cornelius Vanderbilt Scholarship, Vanderbilt Univ. School of Medicine**
Four-year merit scholarship awarded for leadership potential and ability to contribute to richness of the Vanderbilt environment.

Extramural funding	2019	Stanford Teaching and Mentoring Academy Innovation Grant, Co-principal Investigator “Multidisciplinary Surgical Training Using a 3D-Printed Facial Surgery Simulator: Breaking Down Surgical Education Silos” \$10,000 Stanford Biodesign Extension Program Grant, Co-principal Investigator “Keratoconus – Screening for vision preservation” \$10,000
	2018	AAO-HNSF CORE Resident Research Grant, Principal Investigator “Multispectral digital 3D operative imaging in otolaryngology” \$10,000

- Peer-reviewed publications**
1. Shenson JA*, Liu GL*, Farrell J, Blevins NH. Multispectral imaging for automated tissue identification of normal human surgical specimens. *Otolaryngology–Head & Neck Surgery*; August 2020 (epub ahead of print). *Co-first authors
 2. Mehanna H*, Hardman JC*, Shenson JA*, et al. Recommendations for Head and Neck Surgical Oncology Practice in a setting of acute severe resource constraint: A consensus statement. *Lancet Oncology*; 21(7):e350-359. *Co-first authors
 3. Topf MC, Shenson JA, Holsinger FC, Wald SH, Cianfichi LL, Rosenthal EL, Sunwoo JB. A Framework for Prioritizing Head and Neck Surgery during the COVID-19 Pandemic. *Head & Neck*. 2020; 42(6):1159-1167.
 4. Shenson JA, Marcott S, Dewan K, Lee YJ, Mariano ER, Sirjani DB. Utility of videolaryngoscopy for diagnostic and therapeutic interventions in head and neck surgery. *American Journal of Otolaryngology*. 2020; 41(4):102284.
 5. Shenson JA, Sung CK. Transoral laryngeal microsurgery for supraglottic airway obstruction in thyroid goiter. *Otolaryngology Case Reports*. 2019; 10:17-19.
 6. Shenson JA, Craig JN, Rohde SL. Effect of Preoperative Counseling on Hospital Length of Stay and Readmissions after Total Laryngectomy. *Otolaryngology–Head & Neck Surgery*. 2017; 156(2):289-298.
 7. Masterman M, Cronin RM, Davis SA, Shenson JA, Jackson GP. Adoption of secure messaging in a patient portal across pediatric specialties. *AMIA Annual Symposium Proceedings*. 2016:1967-76.
 8. Garyu JW, Uduman M, Stewart A, Rui J, Deng S, Shenson J, Staron MM, Kaech SM, Kleinstein SH, Herold KC. Characterization of diabetogenic CD8+ T cells: immune therapy with metabolic blockade. *Journal of Biological Chemistry*. 2016; 291(21):11230-40.

9. Shenson JA, Cronin RM, Davis SE, Chen Q, Jackson GP. Rapid Growth in Surgeons' Use of Secure Messaging in a Patient Portal. *Surgical Endoscopy*. 2016; 30(4):1432-1440.
10. Shenson JA, Adams RC, Ahmed ST, Spickard A III. Formation of a New Entity to Support Effective Use of Technology in Medical Education: The Student Technology Committee. *JMIR Medical Education*. 2015; 1(2):e9.
11. Shenson JA, Ingram E, Colon N, Jackson GP. Application of a Consumer Health Information Needs Taxonomy to Maternal-Fetal Care. *AMIA Annual Symposium Proceedings*. 2015; 1148–56.
12. Cronin RM, Davis SE, Shenson JA, Chen Q, Rosenbloom ST, Jackson GP. Growth of Secure Messaging Through a Patient Portal as a Form of Outpatient Interaction across Clinical Specialties. *Applied Clinical Informatics*. 2015;6(2):288-304.
13. Shenson JA, Joshi A. 2012. Visualizing disease incidence in the context of socioeconomic factors. Proceedings of the 5th International Symposium on Visual Information Communication and Interaction (VINCI '12). 29-38.

Posters & presentations

1. Shenson JA, Liu G, Farrell J, Blevins NH. Enhanced surgical vision with multispectral imaging: Opportunities and challenges. Oral presentation. *American Academy of Otolaryngology–Head & Neck Surgery Annual Meeting*, New Orleans, LA. 2019.
2. Shenson JA, Marcott S, Dewan K, Lee YJ, Mariano ER, Sirjani DB. Utility of videolaryngoscopy for diagnostic and therapeutic interventions in head and neck surgery. Oral presentation. *Stanford OHNS Research Day*, Stanford, CA. 2019.
3. Shenson JA, Batten J, Utrankar A, Le T. Promoting Active Student Participation in Medical School Curriculum Design and Development. Workshop. *Stanford Medicine X Education*, Stanford, CA. 2018.
4. Shenson JA, Jeffery CC, Kim GS, Sung CK. Retropharyngeal thyroid goiter causing oropharyngeal compression and supraglottic airway obstruction. Poster. *American Academy of Otolaryngology–Head & Neck Surgery Annual Meeting*, Chicago, IL. 2017.
5. Shenson JA, Utrankar A. Envisioning a 'Muse': An open, networked information ecosystem for medical education. Oral presentation. *Stanford Medicine X Education*, Stanford, CA. 2017.
6. Utrankar A, Shenson JA. The student technology committee: a novel approach for student-centered development of medical education technology: purpose, process, and impact. Oral presentation. *Stanford Medicine X Education*, Stanford, CA. 2017.

7. Shenson JA, Craig JN, Rohde SL. Preoperative counseling reduces hospital length of stay following total laryngectomy. Oral presentation. *American Academy of Otolaryngology–Head & Neck Surgery Annual Meeting*, San Diego, CA. 2016.
8. Shenson JA, Adams RC, Genkins JZ, Spickard A. Implementation of tablets in the gross anatomy laboratory: Experiences and student attitudes at one year. Poster presentation. *Stanford Medicine X*, Stanford, CA. 2016.
9. Utrankar A, Shenson JA. In search of a “Muse”: An open national exchange for the advancement of medical education. Oral presentation. *Accelerating Change in Medical Education*, Hershey, PA. 2016.
10. Shenson JA, Labadie RF, Gifford RH, Dawant BM, Dietrich M, Noble JH. Predictors of Hearing Performance after Image-Guided Cochlear Implant Programming. Poster. *Cochlear Implant 2015 Symposium*, Washington, D.C. 2015.
11. Cakir A, Shenson JA, Labadie RF, Dawant BM, Gifford RH, Noble JH. Development of a model for patient-specific simulation of cochlear implant stimulation. Poster. *Conference on Implantable Auditory Prostheses*, Lake Tahoe, CA. 2015.
12. Shenson JA, Adams RC, Utrankar A, Ahmed ST, Spickard A. The Student Technology Committee: Supporting students as stakeholders in medical education technology. Oral presentation. *AAMC Information Technology in Academic Medicine Conference*, San Diego, CA. 2015.
13. Jackson GP, Davis SE, Shenson JA, Chen Q, Cronin RM. Rapid Growth in the Use of Secure Messaging in a Patient Portal by Surgical Providers. Poster. *SAGES Meeting*, Nashville, TN. 2015.
14. Shenson JA, Adams RC, Uptegraft CC, Hagan SL, Miller RA. The AskVanderbilt Physical Diagnosis Tutor: A Mobile, Tablet-Based Approach to Instructional Technology. ePoster (oral) presentation. *AAMC Information Technology in Academic Medicine Conference*, Nashville, TN. 2014.
15. Kumar AA, Shenson JA, Adams RC, Hagan SL, Odom MJ. Lessons from a multi-stage trial of iPad implementation at Vanderbilt School of Medicine. Oral presentation. *Mobile Computing in Medical Education*, Indianapolis, IN. 2013.
16. Kumar AA, Shenson JA, Adams RC, Hagan SL, Odom MJ. A multi-stage trial of iPad utility across the Vanderbilt medical education curriculum. Oral presentation. *SGEA/SGSA Annual Meeting*, Savannah, GA. 2013.

17. Shenson JA, Garyu J, Herold KC. Characterizing the phenotypic signature of autoreactive CD8 T cells in Type 1 Diabetes. Poster. *Senior Molecular, Cellular and Developmental Biology Research Symposium*, Yale University, New Haven, CT. 2012.

Book chapters

1. Shenson JA, Immunology, in: *First Aid for the USMLE Step 1*, McGraw Hill, 2016.
2. Shenson JA, Neurology, in: *First Aid for the USMLE Step 1*, McGraw Hill, 2016.
3. *First Aid for the USMLE Step 1*, McGraw Hill, 2015. Contributing student editor.

Other publications

Shenson JA. *Birthday Reveler*, 2008. "Documenting the Decade." nytimes.com. *The New York Times*, 31 Dec. 2009.

Patents

1. Aizen D, Cowen J, Dewing C, Kappe A, Shenson J, Smith R. (2019) "Systems and methods for detecting corneal irregularities using depth imaging and capture." *U.S. patent pending*.

Intramural talks

- 2020 Shenson JA. "Health Technology: Past, Present, and Future". *Department of Otolaryngology–Head & Neck Surgery Resident Education*, Stanford University, Stanford, CA.
- 2019 Shenson JA. "Improving Care Quality with Electronic Patient Reported Outcomes". *Department of Otolaryngology–Head & Neck Surgery Grand Rounds*, Stanford University, Stanford, CA.
- 2015 Miller RA, Shenson JA. "Update on Ask Vanderbilt iOS App Development". *Department of Biomedical Informatics Grand Rounds*, Vanderbilt University, Nashville, TN.

Professional activities

- 2020 – AAO-HNS Medical Devices & Drugs Committee, *Member*
AHNS Patient & Public Education Service, *Member*
- 2018 – 2019 AAO-HNS Medical Informatics Committee, *Member*
- 2017 – 2018 AAO-HNS Simulation in Medical Education Committee, *Member*
- 2014 – **Journal Peer Reviewer**
American Medical Informatics Association Annual Symposium
Applied Clinical Informatics
Head & Neck
JAMIA Open
Journal of Medical Internet Research (and sub-journals including JMIR: Human Factors, JMIR: Medical Informatics, JMIR: mHealth and uHealth)
Journal of Medical Systems

Leadership & service

Stanford University School of Medicine

- 2020 – Chief Residents Council, *Member*
Housestaff IT Enhancement Council, *Director of Software Improvement*
OHNS Residency Applicant Interviewer
Voalte Oversight Committee, *Member*
- 2019 OHNS Quality Improvement Project Committee, *Member*
- 2018 – Resident Quality Improvement Committee,
Member and OHNS Department Champion (2018–); Project Lead (2020–)

Vanderbilt University School of Medicine

- 2015 – 2016 VSTAR IT Advisory Committee, *Student Member*
Otolaryngology Interest Group, *Co-Chair*
- 2014 – 2016 Curriculum Committee, *Student Member*
- 2012 – 2016 Technology Committee, *Co-Founder, Co-President & Student Rep.*
Researched technology use in medical education. Official liaisons to school leadership on educational technologies and policies.
- 2012 – 2016 Shade Tree Clinic
Patient Health Educator, Medical Team Volunteer, and QI Project Leader

Other

- 2008 – 2011 ReadySetLaunch, Inc., Director of Communications, Executive and
Founding Board Member, *New Haven, CT*
Mentored college application support for underprivileged students.
Developed partnerships with Fortune 100 companies raising over \$75,000.

Teaching

- 2013 – 2016 Medical Student Tutor, Vanderbilt University School of Medicine
- 2012 HackYale, Instructor for “Getting Started with Web Development”,
New Haven, CT

Extramural courses

- 2020 Bay Area Head & Neck Dissection Course
Bay Area Resident Endoscopic Rhinology Course
“Stakeholder Competencies for Artificial Intelligence in Healthcare”
(Stanford University)
- 2019 AOCMF Management of Facial Trauma Course
Bay Area Head & Neck Dissection Course
“Biodesign for Innovation”, Stanford University
Stanford Nasal Plastic Surgery Course
Stanford Teaching Workshop for Chief Residents
- 2018 Bay Area Head & Neck Dissection Course
Bay Area Resident Endoscopic Rhinology Course

Stanford Facial Plastic Surgery Course

2017 American Academy of Otolaryngic Allergy Basic Course
ACS Thyroid, Parathyroid, and Neck Ultrasound Course
Bay Area Head & Neck Dissection Course
Bay Area Resident Endoscopic Rhinology Course
Stanford Advanced Airway Course
Stanford Nasal Plastic Surgery Course
“Leading Value Improvement in Health Care Delivery” (Stanford University)

Organizations American Academy of Otolaryngic Allergy
American Academy of Otolaryngology–Head & Neck Surgery
American College of Surgeons
American Head & Neck Society
American Medical Informatics Association