

Jared A. Shenson, M.D.

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Training & education

- 2021 – 2022 **MD Anderson Cancer Center, Houston, TX**
Fellowship in Head & Neck / Endocrine Surgical Oncology
- 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

Certifications Epic Physician Builder (2021)
Epic Power User (2021)
ACS Thyroid, Parathyroid, & Neck Ultrasound for Surgeons (2021)
ACLS (2021)

Additional education **Biodesign for Innovation, Stanford University (2019)**
Internationally renowned semester-long, hands-on course teaching the principles of biomedical innovation and design thinking. Completed project developing low-cost mobile app screening tool for eye disease.

Honors & awards

- 2021 **Stanford Medicine Quality Improvement & Patient Safety Symposium Awards for Best Multidisciplinary Project**
- “Prevention of tracheostomy-related pressure injuries”
- “Improving effectiveness and satisfaction of communications with Voalte”
- 2020 **Stanford Medicine High Value Innovation Challenge Award**
“Prevention of tracheostomy-related pressure injuries”
- 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 eye disease (keratoconus)
- 2018 **GSK ImmunoHack for Vaccinations, First Place**
Developed 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**
Won 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, Jankovic I, Hong HJ, Weia B, White L, Chen JH, Eisenberg M. Engaging Housestaff as Informatics Collaborators: Educational and Operational Opportunities. *Appl Clin Inform* 2021;12:1150–1156. doi:10.1055/s-0041-1740258.
2. Brenner MJ, Shenson JA, Rose AS, Valdez TA, Takashima M, Ahmed OG, Weissbrod PA, Hong RS, Djalilian H, Wolf JS, Morrison RJ, Santa Maria PL, Erbele ID. New Medical Device and Therapeutic Approvals in Otolaryngology: State of the Art Review 2020. *OTO Open*. 2021 Nov 10;5(4). PMID: 34790883
3. Shenson JA, Orloff LA, Noel JE. Ultrasonographic Anatomy in Radiofrequency Ablation of the Thyroid. *VideoEndocrinology*. 2021; 8(3). DOI: 10.1089/ve.2021.0014.
4. Shenson JA, Liu GL, Farrell J, Blevins NH. Multispectral imaging for automated tissue identification of normal human surgical specimens. *Otolaryngology–Head & Neck Surgery*. 2020; 164(2):328-335. PMID: 32838646.

5. Mehanna H*, Hardman JC*, Shenson JA*, et al. *Co-first authors. Recommendations for Head and Neck Surgical Oncology Practice in a setting of acute severe resource constraint: A consensus statement. *Lancet Oncology*. 2020; 21(7):e350-359. PMID: 32534633.
6. 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. PMID: 32298036.
7. 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. PMID: 32505434.
8. Shenson JA, Sung CK. Transoral laryngeal microsurgery for supraglottic airway obstruction in thyroid goiter. *Otolaryngology Case Reports*. 2019; 10:17-19.
9. 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. PMID: 27677600.
10. 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. PMID: 28269952.
11. 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. PMID: 26994137.
12. 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. PMID: 26123340.
13. 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. PMID: 27731843.
14. 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. PMID: 26958254.
15. 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.
PMID: 26171076.

16. 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, Ellsworth AM, Nassar AK, Liou DZ, Lee JY. Multidisciplinary tracheostomy care bundle for prevention of pressure injuries. Oral presentation. *American Academy of Otolaryngology–Head & Neck Surgery Annual Meeting*, Los Angeles, CA. 2021.
2. Qualliotine JR, Shenson JA, Rahman AS, Noel JE, Orosco R. Well-differentiated Thyroid Cancer Outcomes with both Radioactive Iodine and External Beam Radiation Therapy. Poster presentation. *American Head & Neck Society Annual Meeting*, 2021.
3. Shenson JA, Shih C, Nassar A, Liou D, Bedi H, Phillips B, Lee B, Albarran JH, Mitchell Ellsworth A, Lee YJ. Prevention of tracheostomy-related pressure injuries. Poster presentation. *Stanford Hospital Quality Improvement & Patient Safety Symposium*, 2021.
4. White L, Jankovic I, Hong HJ, Weia B, Shenson JA, Gokhale A, Kethman W, Eisenberg M. Poster presentation. *Stanford Hospital Quality Improvement & Patient Safety Symposium*, 2021.
5. Weia B, Shenson JA, Carlos G, Wilson A, Sullivan K, Rodolfich L, Brown G. Improving effectiveness and satisfaction of communications with Voalte. Poster presentation. *Stanford Hospital Quality Improvement & Patient Safety Symposium*, 2021.
6. Shenson JA, Weia B, White, L, Hong HC, Jankovic I. Engaging Housestaff as Informatics Collaborators in an Academic Medical Center: Educational and Operational Opportunities. Oral presentation. *AMIA Clinical Informatics Conference*. 2021.
7. 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.

8. 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.
9. 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.
10. Shenson JA, Utrankar A. Envisioning a ‘Muse’: An open, networked information ecosystem for medical education. Oral presentation. *Stanford Medicine X Education*, Stanford, CA. 2017.
11. 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.
12. 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.
13. 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.
14. 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.
15. 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.
16. 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.
17. 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.

18. 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.
19. 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.
20. 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.
21. 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.
22. 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.

Books & 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. *Birthdays Reveler*, 2008. "Documenting the Decade." nytimes.com. *The New York Times*, 31 Dec. 2009.

Intramural talks

2021 Shenson JA, Lee JY. "Prevention of tracheostomy-related pressure injuries." *Department of Otolaryngology–Head & Neck Surgery Research Day*, Stanford University, Stanford, CA.

Shenson JA. "Man + Machine: How human-centered AI may heal healthcare". *Department of Otolaryngology–Head & Neck Surgery Grand Rounds*, Stanford University, Stanford, CA.

2020 Shenson JA. "Health Technology: Past, Present, and Future". *Department of Otolaryngology–Head & Neck Surgery Resident Education*, Stanford University, Stanford, CA.

Shenson JA, Liu GL, Farrell J, Blevins N. "Multispectral imaging for automated tissue identification of normal human surgical specimens." *Department of Otolaryngology–Head & Neck Surgery Research Day*, 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.

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.” *Department of Otolaryngology–Head & Neck Surgery Research Day*, 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

2021 – **Head and Neck Cancer Review Editor**, *Frontiers in Oncology*

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 – **Ad-Hoc Journal Peer Reviewer**
American Medical Informatics Association Annual Symposium
Applied Clinical Informatics
Head & Neck
Health Science Reports
Journal of the American Medical Informatics Association (JAMIA) Open
Journal of Medical Internet Research (and its sub-journals)
Journal of Medical Systems

Leadership & service

Stanford University School of Medicine

2020 – 2021 **Housestaff IT Enhancement Council**, *Founding member and Associate Chair for Software Improvement*

Partnered with hospital clinical informatics leadership to identify, workshop, and deploy numerous enhancements to the EHR and other clinical software targeted at the workflow needs of housestaff.

Voalte Governance Committee, *Member*

Served on the hospital informatics governance committee overseeing the secure text messaging application (Voalte) used by more than 12,000 users.

Chief Residents Council, *Member*



OHNS Department Quality Council, *Member*
OHNS Residency Applicant Interviewer

2019 **OHNS Resident Quality Improvement Project Committee, *Member***

2018 – 2021 **Resident Quality Improvement Committee,**
Member and OHNS Department Champion (2018–2021);
Project Lead: Voalte secure text messaging (2020–2021)

Vanderbilt University School of Medicine

2015 – 2016 **VSTAR IT Advisory Committee, *Student Member***
Sole student member on oversight committee for the core learning technology platform across all degree programs in the School of Medicine.

Otolaryngology Interest Group, *Co-Chair*

2014 – 2016 **Curriculum Committee, *Student Member***

2012 – 2016 **Technology Committee, *Co-Founder, Co-President & Student Rep.***
Partnered with IT and education leadership to enhance student-centered learning technologies. Led research and development projects.

2012 – 2016 **Shade Tree Clinic**
Patient Health Educator, Medical Team Volunteer, and QI Project Leader
Student-run free clinic for the uninsured population in Nashville, TN.

Other

2008 – 2011 **ReadySetLaunch, Inc., Director of Communications, Executive and Founding Board Member, *New Haven, CT***
Non-profit providing free college admissions mentoring for students of under-privileged and under-represented backgrounds. Raised over \$75,000 in partnership with Fortune 100 companies.

Teaching

2013 – 2016 **Medical Student Tutor, Vanderbilt University School of Medicine**

2012 **HackYale, Instructor for “Getting Started with Web Development”, *New Haven, CT***
Taught two 40-student courses on the principles of web development.

Extramural courses

2021 Epic Power User Training (with Certification)
Epic Physician Builder Training (with Certification)
ACS Thyroid, Parathyroid, and Neck Ultrasound Course (with Certification)

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 Otolaryngology–Head & Neck Surgery
 American College of Surgeons
 American Head & Neck Society
 American Medical Informatics Association
 American Thyroid Association

