

# Kevin Thomas Malone, MD

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## Professional Summary

Emergency medicine physician, former chief resident, researcher, and medical device innovator with scholarship spanning emergency medicine, airway management, clinical informatics, interventional radiology, ethics, simulation, and medical education. Current interests include emergency medicine, informatics, ethics, airway simulation, POCUS/ultrasound education, transparent clinical research tools, and pragmatic clinical workflow automation.

## Education

**Emergency Medicine Residency; Chief Resident** | *Baylor Scott & White* | 2023-2026 | Temple, TX

- Leading scheduling for 70+ residents across two hospitals using optimization and automated tools.
- Built systems for equipment tracking, consultant feedback, resident performance analytics, intern block structure, onboarding workflows, AI dictation, centralized policy access, and SEO/public outreach.

**Doctor of Medicine, with Special Distinction in Research** | *Louisiana State University Health Shreveport School of Medicine* | July 2019-May 2023

- Alpha Omega Alpha (AOA), National Medical Honor Society.
- Ronald B. George Scholarship and Participant.
- LSU J. Terrell Brown Venture Grant.

**Premedical Post-Baccalaureate Coursework** | *University of Louisiana at Lafayette* | May 2015-May 2018

**Bachelor of Science in Nursing** | *University of Louisiana at Lafayette* | Aug. 2011-Dec. 2015

- Named the Outstanding Graduate of the College of Nursing.

## Clinical and Professional Experience

**Medical Doctor** | *Scott & White, Emergency Department* | 2023-present | Temple, TX

**Emergency Room Registered Nurse** | *Our Lady of the Lake Hospital* | 2018-July 2019 | Baton Rouge, LA

- Board Certified in Emergency Nursing (BCEN).
- TNCC, PALS, ACLS, NIHSS, CPI, and BLS provider certifications.

**Emergency Room Registered Nurse** | *Our Lady of Lourdes Hospital* | Dec. 2015-Dec. 2017 | Lafayette, LA

- Board Certified in Emergency Nursing (BCEN).
- PALS, ACLS, BLS, NIHSS, and MOAB provider certifications.

**Emergency Room Nurse Technician** | *Our Lady of Lourdes Hospital* | 2013-Dec. 2015 | Lafayette, LA

**Dietitian Assistant** | *Lafayette General Hospital* | Jun. 2012-Feb. 2013 | Lafayette, LA

## Board Certification, Certifications, and Skills

- Expertise include Physician SmartUser, Google Data Analytics Specialization, Physician Builder, Notecraft for Physician Builders, and Physician Builder: Analytics.
- Technical skills used in leadership/research/build projects: Python, PowerShell, Google Cloud, Fusion 360, Blender, COMSOL, SVG design, automation workflows, resident scheduling optimization, and clinical documentation/AI dictation workflows.
- Board Certified in Emergency Nursing (BCEN) while practicing as an emergency room registered nurse.
- Prior certifications/training: TNCC, PALS, ACLS, NIHSS, CPI, BLS, and MOAB provider certifications.

## Honors and Awards

- Alpha Omega Alpha (AOA), National Medical Honor Society.
- Doctor of Medicine, with Special Distinction in Research, LSU Health Shreveport School of Medicine.
- Outstanding Graduate of the College of Nursing, University of Louisiana at Lafayette.
- Ronald B. George Scholarship and Participant.
- LSU J. Terrell Brown Venture Grant.
- SIR Biodesign Competition: third place team, 2022; national semifinalist team, 2020.

## Peer-Reviewed Publications and Articles

1. Malone K. A Transparent, Simple, Audit-Oriented Python-Based Binary Allocation Prototype for Clinical Research. *Cureus*. 2026.
2. Malone K, Jarrett B, Juergens AL, Drigalla DF. An Oxygenating Video Laryngoscope Blade With an Integrated Lens-Clearing Gas Jet for Management of the Soiled Airway During Tracheal Intubation: Concept and Design Considerations. *Cureus*. 2026.
3. Malone K. Letter to the Editor: Cullin S, Shah S. "Hypothermia Complications and Associated Electrocardiogram (EKG) Findings." *Cureus*. 2026;18(5):e108742. *Cureus*. 2026.

4. Malone K, Juergens AL II. Visual Case Discussion: Bullous corneal edema mimicking ferning in ocular herpes zoster: A case of suspected VZV trabeculitis. *Visual Journal of Emergency Medicine*. 2026.
5. Jarrett B, Malone K, Rotuno L, et al. A Low-Cost Cocoa-Opacified Hematemesis Simulant for Manikin-Based Airway and Endoscopic Visualization Training: Formulation Rationale, Targeted Review, and Cost Analysis. *Cureus*. 2026.
6. Malone K, Mitra A, Athey RM. When rashes mislead: the case of a dramatic bullous impetigo. *Visual Journal of Emergency Medicine*. 2025.
7. Zaheri SC, Stevens CM, Malone K, Alvarado S. Pneumatosis Intestinalis Secondary to Appendicitis: What Do We Know? *Digestive Diseases and Sciences*. 2025.
8. Stevens C, Scott D, Ramesh P, Ragland A, Johnson C, Strobel J, Malone K, D'Agostino H, Ahuja C, De Alba L. The evolution of percutaneous abdominal abscess drainage: A review. *Medicine*. 2025;104(15):e41799. doi:10.1097/MD.0000000000041799.
9. Brondeel KC, Malone KT, Ditmars FR, et al. Algorithms to Identify Nonmedical Opioid Use. *Current Pain and Headache Reports*. 2023;27:81-88. doi:10.1007/s11916-023-01104-7.
10. Stevens CM, Malone K, Wadhwa RD, et al. Paraganglioma in a Young Adult Female Patient: A Case Report. *Cureus*. 2023;15(3):e36963. doi:10.7759/cureus.36963.
11. Stevens CM, Malone K, Degueure A, et al. Atypical Imaging Findings of Nonketotic Hyperglycemic Hemichorea: A Case Report and Review of the Literature. *Cureus*. 2023;15(1):e34269. doi:10.7759/cureus.34269.
12. Sinnathamby ES, Issa PP, Roberts L, Malone K, et al. Hereditary Angioedema: Diagnosis, Clinical Implications, and Pathophysiology. *Advances in Therapy*. 2023;40:814-827. doi:10.1007/s12325-022-02401-0.
13. Stevens CM, Malone K, Dufrene K, et al. Adrenal Ganglioneuroblastoma of Adult Onset: A Literature Review. *Cureus*. 2023;15(1):e33288. doi:10.7759/cureus.33288.
14. Moore PW, Malone K, VanValkenburg D, et al. GLP-1 Agonists for Weight Loss: Pharmacology and Clinical Implications. *Advances in Therapy*. 2023;40:723-742. doi:10.1007/s12325-022-02394-w.
15. Roberts LT, Issa PP, Sinnathamby ES, Granier M, Mayeux H, Eubanks TN, Malone K, Ahmadzadeh S, Cornett EM, Shekooi S, et al. *Helicobacter Pylori*: A Review of Current Treatment Options in Clinical Practice. *Life*. 2022;12(12):2038. doi:10.3390/life12122038.
16. Stevens C, Malone K, Aldine AS, Arevalo O. Comment on "Adult onset of ganglioneuroblastoma of the adrenal gland: case report and review of the literature." *Surgical Case Reports*. 2022;8(1):142. doi:10.1186/s40792-022-01502-w. PMID:35900611; PMCID:PMC9334496.
17. Malone K, Saveen S, Stevens CM, McNeil S. Successful Treatment of Catatonia: A Case Report and Review of Treatment. *Cureus*. 2022;14(6):e26328. doi:10.7759/cureus.26328. PMID:35911277; PMCID:PMC9311495.
18. Malone K, Saveen S, Hollier J. In an Emergency Setting, What Is the Best Intramuscular Pharmacological Treatment to Give to an Agitated Geriatric Patient? *Cureus*. 2022;14(5):e25382. doi:10.7759/cureus.25382. PMID:35774721; PMCID:PMC9239320.
19. Malone K, Stevens CM, Merriman C, Harper D, Wadhwa R, D'Agostino HR. A Sleeve-Sheath With a Coaxial Exchangeable Catheter for Palliative Evacuation of Recurrent Thoracic and Abdominal Effusions. *Cureus*. 2022;14(5):e25174. doi:10.7759/cureus.25174. PMID:35747036; PMCID:PMC9209405.
20. Stevens CM, Champaneri D, Harper D, Aslan A, Malone K, Aksionau A, Gunji NK. Preoperative Embolization of a Delayed Femoral Metastasis of Renal Cell Carcinoma: A Case Report. *Cureus*. 2022;14(4):e23788. doi:10.7759/cureus.23788. PMID:35518547; PMCID:PMC9064120.
21. Stevens CM, Malone K, Champaneri D, Gavin N, Harper D. A Primer and Literature Review on Internal and External Retention Mechanisms for Catheter Fixation. *Cureus*. 2022;14(4):e24616. doi:10.7759/cureus.24616. PMID:35664377; PMCID:PMC9150508.
22. Malone K, Abraham R, McCurdy G, Devarkondal V, Stevens CM. An Atypical Presentation of West Nile Virus With Successful Treatment After Plasma Exchange and Intravenous Immunoglobulin. *Cureus*. 2022;14(4):e24003. doi:10.7759/cureus.24003. PMID:35547450; PMCID:PMC9090226.
23. Malone K, Ninh MK, Stevens CM, D'Agostino HR. Should Ultrasound Education be Incorporated into Medical Education? A Medical Student's Perspective after the Trial of SonoSim System. *Open Access Library Journal*. 2022;9:e8742. doi:10.4236/oalib.1108742.
24. Malone K, Modi M, Koripalli S, Amorn A, Stevens CM. Swallow Syncope Associated With Intermittent Sinus Pause and High-Degree Atrioventricular Block: A Case Report. *Cureus*. 2022;14(3):e22915. doi:10.7759/cureus.22915. PMID:35399438; PMCID:PMC8985555.
25. Malone K. Made For This Moment: It's Been Very Rewarding to Take Care of Patients. *Louisiana Society of Anesthesiologists Newsletter*. 2021:6.

## Preprints, Research Outputs, and Works in Progress

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- Malone K. Transparent, Simple, Audit-Oriented Python-Based Binary Allocation Prototype for Clinical Research. Preprint. 2026.
- Malone K, Stevens CM, D'Agostino HR, Ninh MK. Should Ultrasound Education be Incorporated Into Medical Education: A Medical Students' Perspective. Preprint. 2020.
- Malone K, Ninh M, Toups C, Patel S, Bonnor R, VanHorn N, D'Agostino H. Shaping the Future of Drainage Catheters: A Solution to Optimize Catheter Function for Expedited Catheter Removal. Preprint. 2020.
- Malone K, Jarrett B, Juergens AL, Drigalla DF. Temple Laryngoscope versus Standard Video Laryngoscopy in a Simulated Hematemesis Airway: A Randomized Blinded Simulation Study. Manuscript in preparation.
- Malone K. Malingering, "Gaming the System," and Hospitalization-Associated Patient Identity: A Case-Anchored Analysis. Manuscript in preparation.

## Poster Presentations

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- Jarrett B, Malone K, Juergens AL II, Drigalla D. Effectiveness of the Novel Temple Laryngoscope vs Standard Videoscope in Simulated Hematemesis. Poster. 2026.

- Malone K, Stevens C, Merriman C, Harper D, Wadhwa R, D'Agostino H. Sleeve-Sheath With a Coaxial Exchangeable Catheter for Palliative Evacuation of Recurrent Thoracic and Abdominal Effusions. Poster presented by Malone K at: LSUHSC-S Graduate Medical Education 7th Annual Regional Poster Presentation; May 27, 2022; Shreveport, LA. doi:10.13140/RG.2.2.23348.53125.
- Malone K, Sall S, McNeil S. Successful Treatment of Catatonia: A Case Report and Review of Treatment. Poster presented by Malone K at: Louisiana Psychiatric Medical Association; February 12, 2022; New Orleans, LA. doi:10.13140/RG.2.2.33506.20160.
- Malone K, Rahul A, McCurdy G, Devarkonda V. An Atypical Presentation of West Nile Virus with Successful Treatment After Plasma Exchange and Intravenous Immunoglobulin. Poster presented by Malone K at: Louisiana American College of Physicians; January 22, 2022; Virtual. doi:10.13140/RG.2.2.26795.31526.
- Malone K, Modi M, Koripalli V, Amorn A. Swallow Syncope Associated with Intermittent Sinus Pause and High Degree AV Block. Poster presented by Malone K at: Louisiana American College of Physicians; January 22, 2022; Virtual. doi:10.13140/RG.2.2.16728.98564.
- Malone K, Booty A, Choate M, Watson J. Family Presence During Pediatric Resuscitation and Promotion of Grieving. Poster presented at: University of Louisiana Research Convention; November 2015.

## Oral Presentations and Invited/Platform Presentations

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- Malone K, Merriman C, Wadhwa R, Harper D, D'Agostino H. Proposal for the Introduction of Additional Ultrasound Training Into the Medical School Curriculum at LSU-Health Shreveport. Oral presentation presented by Malone K at: LSUHSC-S 1-210 Dean's Conference Room; June 3, 2022; Shreveport, LA. doi:10.13140/RG.2.2.36770.30406.
- Malone K, Stevens C, Merriman C, Harper D, Wadhwa R, D'Agostino H. Sleeve-Sheath With a Coaxial Exchangeable Catheter for Palliative Evacuation of Recurrent Thoracic and Abdominal Effusions. Oral presentation presented by Malone K at: National Society of Interventional Radiology; April 25, 2022; Virtual. doi:10.13140/RG.2.2.16583.57768.
- Malone K, Ninh M, Toups C, Patel S, Bonnor R, VanHorn N, D'Agostino H. A Solution to Optimize Catheter Function for Expedited Catheter Removal. Oral presentation presented by Malone K at: National Society of Interventional Radiology; February 20, 2020; Virtual. doi:10.13140/RG.2.2.16583.57768.

## Patents and Intellectual Property

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- Sleeve-Sheath With a Coaxial Exchangeable Catheter. U.S. Provisional Patent Application No. 63/333,921, filed April 22, 2022.
- Temple Laryngoscope with Integrated Lens-Clearing High-Velocity Oxygen Port. Patent-related work in progress / non-provisional planning.

## Peer Review and Editorial Service

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- Cureus Journal of Medical Science: completed peer review of 5 manuscripts, confirmed by Cureus letter dated May 27, 2026.
- Delayed Presentation of a Retained Knife Fragment Following Penetrating Abdominal Trauma and Exploratory Laparotomy; completed May 12, 2026.
- Retained Bullet in the Orbit Following a Gunshot Wound: Management of Subsequent Complications; completed May 4, 2026.
- An Unexpected Case of Perioperative Recurrent Bronchospasm: A Case Report and Review of the Literature; completed May 4, 2026.
- Mad Honey Poisoning Caused by Grayanotoxin Toxicity in a 75-Year-Old Male Patient Presenting With Hypotension and Bradycardia in the United Kingdom: A Case Report; completed May 3, 2026.
- Massive Abdominal Wall Abscess in a Chronic Irreducible Epigastric Hernia Containing the Transverse Colon; completed May 3, 2026.

## Books

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- Malone K. Manual for The Practical Stoic. Seattle, WA: Amazon; 2020. ISBN-13: 9798657148831. Philosophical review of Stoicism practices in the Hellenistic period; listed in the CV as a top 10 philosophical reference on Amazon.
- Malone K. The Stoic Republic. Seattle, WA: Amazon; 2021. ISBN-13: 9798701786941. Philosophical thought experiment derived from known fragments and citations of Zeno of Citium regarding one of his lost works.

## Leadership, Service, and Innovation

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### Chief Resident | Baylor Scott & White Emergency Medicine Residency | 2025-2026

- Leading scheduling for 70+ residents across two hospitals using optimization and automated tools.
- Built systems for equipment tracking, consultant feedback, and resident performance analytics automated using Google Cloud, Python, and PowerShell.
- Led program redesigns: intern block structure, onboarding workflows, AI dictation, centralized policy access, and SEO/public outreach.
- Architected tools enhancing QA, communication, mentorship, and institutional memory, including custom SVG ER maps and an alumni social network.

### Partner / Chief Designer | Guise Medical L.L.C. | 2021-2023

- Designed products to lessen children's anxiety surrounding medication administration.
- Used Fusion 360, Blender, and COMSOL for design and physics testing.

### Interventional Radiology Interest Group | LSU Health Shreveport | 2019-2023

- Secretary, 2019-2020; Vice President, 2020-2021; President, 2021-2023.
- Fostered ultrasound education and proposed curriculum changes.

### Chief Medical Student Research Coordinator | IRIG Research Lab | 2020-2023

- Created research lab with mentor support and university approval; applied for grants.

### Lead Coordinator, Ultrasound Curriculum | LSU Health Shreveport | 2019-2023

- Organized and led ultrasound bootcamp training.
- Created ultrasound training that was added to the medical school curriculum.
- Invited SonoSim to meet with administration to support adoption for medical students.

**Team Leader** | *SIR Biodesign Competition* | 2019-2022

- Participated in and led SIR Biodesign competitions.
- 2022 team placed third; 2020 team placed as national semifinalists.