

KEVIN THOMAS MALONE, MD

Emergency Medicine · Physician-Builder · Clinical AI & Informatics · Clinical Ethics

Temple, TX · (337) 422-9085 · malonekt92@gmail.com · [Google Scholar](#) · [ResearchGate](#)

EDUCATION & TRAINING

Clinical Informatics Fellowship — Baylor Scott & White — Round Rock, TX 2026 – Present

Physician subspecialty training in clinical informatics — applying data, automation, and AI to clinical operations and patient care.

Emergency Medicine Residency — Baylor Scott & White — Temple, TX 2023 – 2026

Completed emergency medicine residency; **Chief Resident (2025–2026)**. Recipient, Scott A. McAninch, M.D. Excellence in Teaching Award (2026).

Doctor of Medicine, with Distinction in Research — Louisiana State University (LSU) Health Shreveport 2023

Alpha Omega Alpha (AOA) National Medical Honor Society — top tier of the graduating class.

Bachelor of Science in Nursing — University of Louisiana at Lafayette 2015

Practiced ~5 years as a **board-certified Emergency Room Registered Nurse** before medical school — first-hand understanding of bedside nursing workflows. Named Outstanding Graduate, College of Nursing.

PROFESSIONAL SUMMARY

Emergency medicine physician and **clinical informatics fellow**. Pairs frontline judgment in high-acuity, high-uncertainty care with hands-on engineering — Python, cloud automation, and AI-assisted workflows now used **daily across a 70+ resident, two-hospital program**. 25+ peer-reviewed publications (400+ citations), has filed U.S. provisional patents on medical devices. Additionally work as a clinical ethics doctor and are among less than 500 physicians who hold the HEC-C certification.

STRENGTHS FOR HEALTH AI

- **Frontline clinical judgment** — direct, real-time experience of high-acuity adult and pediatric care, and of where clinical AI improves versus degrades bedside decisions.
- **Hands-on builder** — designed and deployed automation and AI tooling adopted across a 70+ resident, two-hospital program; advanced medical devices from computer-aided design (CAD) and physics simulation to a filed U.S. provisional patent.
- **Research & safety rigor** — published author and journal peer reviewer; Healthcare Ethics Consultant–Certified (HEC-C) clinical ethicist focused on trustworthy, auditable systems.

EXPERIENCE

Emergency Medicine Physician — Baylor Scott & White — Temple ER & McLane Children's 2026 – Present

- Practice full-spectrum **adult and pediatric** emergency medicine across two emergency departments — resuscitation, airway management, and high-acuity decision-making under uncertainty.
- Train concurrently as a **Clinical Informatics Fellow**, bridging frontline care with data, automation, and AI in clinical systems.

Emergency Medicine Resident & Chief Resident — Baylor Scott & White EM Residency 2023 – 2026

- Architected and shipped automation used across a **70+ resident, two-hospital program**: schedule optimization, equipment tracking, consultant-feedback capture, and resident-performance analytics — built in **Python, PowerShell, and Google Cloud**.
- Led adoption of **AI dictation** and centralized clinical-policy access, then redesigned intern block structure, onboarding, and quality-assurance (QA) workflows around the new tooling.
- Built institutional-memory tools — custom vector (SVG) emergency-department maps, an alumni network, and analytics dashboards — improving QA, communication, and mentorship.

Founder & Chief Designer — Guise Medical LLC 2021 – 2023

- Designed pediatric medical products to reduce children's anxiety during medication administration; iterated through **Fusion 360, Blender, and COMSOL** multiphysics simulation.

Researcher & Medical Device Innovator — LSU Health Shreveport / Baylor Scott & White 2019 – Present

- Authored and **open-sourced** a transparent, audit-oriented Python tool for randomized binary allocation in clinical trials — built for reproducibility and auditability (concurrent with residency and medical school).
- 25+ peer-reviewed publications and **400+ citations** across airway innovation, clinical informatics, simulation, and ethics (selected below).

TECHNICAL SKILLS & EPIC CERTIFICATIONS

Epic Electronic Health Record (EHR) Certifications: Physician Builder · Physician Builder: Analytics · Notecraft for Physician Builders · Physician SmartUser Badge

Engineering & Data: Python · PowerShell · Claude · ChatGTP · Google Cloud · workflow automation · data analytics (Google Data Analytics Specialization) · programmatic vector (SVG) design

Design & Simulation: Fusion 360 · Blender · COMSOL multiphysics · medical device prototyping

Clinical AI & Systems: EHR build & analytics · DAX · Abridge · AI-dictation deployment · clinical workflow automation · point-of-care ultrasound (POCUS) education

Domain: Emergency & acute-care medicine · clinical informatics · simulation · medical device design · research methodology · clinical ethics

SELECTED RESEARCH & INNOVATION

- *A Transparent, Simple, Audit-Oriented Python-Based Binary Allocation Prototype for Clinical Research*. Cureus, 2026. — open-source, reproducible research tooling.
- *An Oxygenating Video Laryngoscope Blade with an Integrated Lens-Clearing Gas Jet for the Soiled Airway*. Cureus, 2026. — original device concept and design.
- *Algorithms to Identify Nonmedical Opioid Use*. Current Pain and Headache Reports, 2023.
- *Temple Laryngoscope vs. Standard Video Laryngoscopy in a Simulated Hematemesis Airway: A Randomized Blinded Study*. Under review, American Journal of Emergency Medicine, 2026.
- *Malingering, “Gaming the System,” and Hospitalization-Associated Patient Identity: A Case-Anchored Analysis*. Under review, Journal of Clinical Ethics, 2026.

Full list of 25+ publications: [Google Scholar](#) · [ResearchGate](#)

PATENTS & INTELLECTUAL PROPERTY

- *Sleeve-Sheath with a Coaxial Exchangeable Catheter* — U.S. Provisional Patent Application No. 63/333,921 (filed 2022); co-inventor.
- *Temple Laryngoscope with Integrated Lens-Clearing High-Velocity Oxygen Port* — original concept provisional patent.

EDITORIAL & PEER REVIEW

- Peer reviewer, **Cureus (Springer Nature)** — 5 manuscripts reviewed, 2026.
- Editorial team, **Journal of Data Science, Predictive Analytics & Big Data Applications** (Helexscience) — applied data science across healthcare, finance, and logistics.

HONORS & CREDENTIALS

- **Scott A. McAninch, M.D. Excellence in Teaching Award** (2026) — Baylor Scott & White Emergency Medicine Residency.
- **Alpha Omega Alpha (AOA)** National Medical Honor Society · MD *with Distinction in Research*, LSU Health Shreveport.
- **Healthcare Ethics Consultant—Certified (HEC-C)** (HEC Certification Commission / ASBH, 2026) — among only ~500 physicians in the U.S. to hold this credential; 500+ contact hours of clinical-ethics training.
- **Society of Interventional Radiology (SIR) Biodesign Competition** — 3rd place (2022); national semifinalist (2020). · Board Certified in Emergency Nursing (BCEN). · Author of two Stoic-philosophy books.

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