

Matthew J. Campbell, MS
MD Candidate, Stanford University School of Medicine

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EDUCATION

Doctor of Medicine (MD), Anticipated June 2027
Stanford University School of Medicine

Master of Science in Engineering Management, Summa Cum Laude, May 2023
Old Dominion University, Norfolk, VA

Emergency Medical Technician – Basic, January 2022
Massachusetts Maritime Academy, Buzzards Bay, MA

Naval Nuclear Engineering Officer Qualification, January 2019
Prospective Nuclear Engineering Officer Course, San Diego, CA

Bachelor of Science in Nuclear Engineering, Cum Laude, May 2012
Rensselaer Polytechnic Institute, Troy, NY

Bachelor of Science in Mechanical Engineering, Cum Laude, May 2012
Rensselaer Polytechnic Institute, Troy, NY

HONORS, AWARDS, AND LEADERSHIP

- Research on thoracic SABR motion management highlighted in *QuadShot*, 2025
 - Navy and Marine Corps Commendation Medal, 2023
 - Navy Recruit Training Service Ribbon, 2023
 - Navy Command Fitness Leader, 2020–2023
 - Academic Department Chair, Department of Naval Science, Massachusetts Maritime Academy, 2019–2023
 - Navy and Marine Corps Achievement Medal (2 awards), 2017, 2019
 - Alpha Nu Sigma Nuclear Engineering Honor Society, 2012–Present
 - Pi Tau Sigma Mechanical Engineering Honor Society, 2009–Present
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CLINICAL EXPERIENCE

Clinical Clerkships, Stanford Medicine

June 2025 – Present

Completed core clerkships in Pediatrics, Surgery, and currently enrolled in Radiology. Participated in inpatient and outpatient care, performed focused histories and physical examinations, presented

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assessments and plans, and contributed to clinical decision-making under attending supervision.

Shadowing, Stanford Medicine, Department of Radiation Oncology

November 2023 – Present

Observed and participated in outpatient radiation oncology clinics, including consultations, treatment planning, on-treatment visits, and post-treatment follow-up. Reviewed radiation treatment plans and observed administration of external beam radiation therapy.

Student Doctor, Stanford Medicine, Cardinal Free Clinics

November 2023 – February 2025

Conducted outpatient family medicine visits under supervision of residents and attending physicians. Obtained histories, performed physical examinations, and contributed to assessment and management plans for underserved patients.

Virtual Premedicine Shadowing, UT Southwestern

April 2021 – January 2023

Participated in structured virtual case discussions led by physicians across multiple specialties. Analyzed clinical cases and engaged in diagnostic reasoning discussions.

PEER-REVIEWED PUBLICATIONS

Jaoude, J. A., Cui, S., Fu, J., Worth, J. E., **Campbell, M. J.**, Lau, B., Eswarappa, S., Richter, S. A., Meurice, N., Shirato, H., Taguchi, H., Gee, H., Romero, I. O., Dubrowski, P., Pham, D., Skinner, L., Butler, S. S., Kastelowitz, N., Chin, A. L., Gensheimer, M. F., Diehn, M., Loo, B. W., Moiseenko, V., Vitzthum, L. K. (2025). Local Control in Thoracic Stereotactic Ablative Radiotherapy: Analysis of Motion Management and Single Fraction Dosimetry from the iSABR trial. *International Journal of Radiation Oncology, Biology, Physics*.

Wong, E., Bermudez-Cañete, A., **Campbell, M. J.**, Rhew, D. C. (2025). Bridging the Digital Divide: A Practical Roadmap for Deploying Medical Artificial Intelligence Technologies in Low-Resource Settings. *Population Health Management*.

RESEARCH EXPERIENCE

Stanford Medicine, Department of Radiation Oncology

May 2024 – Present

Stanford University, Stanford, CA

Conducted secondary analysis of data from the Stanford iSABR clinical trial to evaluate motion management strategies in thoracic stereotactic ablative radiotherapy. Analyzed dosimetric variables and their association with local tumor control outcomes.

United States Department of Homeland Security Radiochemistry Fellowship

June 2011 – July 2011

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Washington State University, Pullman, WA

Conducted laboratory research in nuclear forensics. Applied nuclear chemistry principles to forensic sample analysis, including isotope identification and radiometric counting techniques.

Rensselaer Polytechnic Institute, Department of Mechanical, Aerospace, and Nuclear Engineering

January 2010 – January 2011

Rensselaer Polytechnic Institute, Troy, NY

Collaborated on modeling and analysis of very high-temperature gas-cooled pebble bed reactors and long-term neutron attenuation in light-water reactor pressure vessels.

United States Department of Energy Radiochemistry Fellowship

June 2010 – July 2010

University of Nevada, Las Vegas, NV

Conducted independent laboratory research on the nuclear fuel cycle, studying lithium effects on uranyl trinitrate speciation.

MILITARY EXPERIENCE

Lieutenant Commander (O-4), United States Navy Reserve

February 2023 – Present

Maritime Expeditionary Security Squadron (MSRON) 8

February 2023 – Present

Newport, RI

Served as a Unit Officer supporting training and readiness for Navy and Coast Guard harbor antiterrorism and force protection missions.

Active Duty, United States Navy

May 2013 – January 2023

Massachusetts Maritime Academy

June 2019 – January 2023

Buzzards Bay, MA

Officer in Charge, Department of Naval Science (NROTC Unit 73)

Led Naval Reserve Officer Training Corps Unit 73. Supervised Navy staff and 40–60 midshipmen annually, managing personnel, property, and operating funds. Oversaw professional development, academic performance, and commissioning of 10–20 Naval Officers per year.

Professor of Naval Science and Academic Department Chair

Directed departmental curriculum and academic programming. Taught four undergraduate courses, including senior-level Leadership and Ethics.

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NROTC Unit Medical Officer

Coordinated medical care for students between civilian clinicians and military command. Monitored student health status and maintained medical records.

USS Carl Vinson (CVN 70)

April 2017 – June 2019

San Diego, CA

Assistant Department Head, Deputy Reactor Electrical Assistant

Supervised two divisions of more than 100 nuclear electricians and electronics technicians. Coordinated major system overhauls during the ship's 2019 Docking Planned Incremental Availability (DPIA). Delivered technical training and managed complex maintenance schedules.

Division Officer, Reactor Propulsion Division

Led 45 nuclear and conventional mechanics in operation, maintenance, and repair of a nuclear propulsion plant. Authorized critical repairs and component replacements. Served as Propulsion Plant Watch Officer, supervising a 22-member watch team during port operations and overseas deployments.

Deployments

Deployed to the South China Sea, North China Sea, Sea of Japan, and Philippine Sea. Participated in RIMPAC 2018 and conducted port visits in Guam, Singapore, the Philippines, and Vietnam.

USS Decatur (DDG 73)

August 2015 – March 2017

San Diego, CA

Division Officer, First Lieutenant, Assistant Ballistic Missile Defense Officer, Officer of the Deck

Led 30 Sailors in operation and maintenance of deck and rigging equipment. Trained and executed ballistic missile defense exercises. Served as Officer of the Deck, responsible for navigation and safety of a guided-missile destroyer with more than 300 crew members during port operations and overseas deployments.

Deployments

Deployed to the South China Sea, North China Sea, Sea of Japan, and Philippine Sea. Conducted port visits in Singapore, Japan, South Korea, and Hong Kong.

VOLUNTEER EXPERIENCE

Hospice Volunteer, HopeHealth

September 2021 – August 2023

Providence, RI

Provided companionship and caregiver support to patients receiving hospice and palliative care services. Conducted home visits and assisted families during end-of-life care.

CIVILIAN WORK EXPERIENCE

Process Engineer, Procter & Gamble (Family Care Global Business Unit)

June 2012 – May 2013

Mehoopany, PA

Managed manufacturing processes within a high-volume production facility. Applied principles of fluid dynamics, chemistry, and mechanical systems to optimize operational performance. Collaborated with technicians and managers to troubleshoot and resolve production challenges.

Resident Assistant, Rensselaer Polytechnic Institute

August 2011 – May 2012

Troy, NY

Supervised 50 first-year college residents. Ensured safety and welfare of the residential community, facilitated conflict resolution, and organized educational programming.

Operations Staff, King Richard's Family Fun Park

June 2006 – August 2010

Naples, FL

Operated machinery and performed routine maintenance in a customer-facing recreational facility.

INTERESTS

Snowboarding, hiking, home coffee roasting, history, and folklore.