

----- Education -----

Lake Erie College of Osteopathic Medicine, Erie, PA

- Doctor of Osteopathic Medicine (DO) – May 2011

University of Minnesota – Twin Cities, Institute of Technology, Minneapolis, MN

- Bachelor of Electrical Engineering with Biomedical Option (BEE) – December 2005
- Bachelor of Computer Engineering with Biomedical Option (BCompE) – May 2006

----- Postgraduate Training -----

Anesthesiology Resident, Penn State University Hershey Medical Center, Hershey, PA, July 2011 – Present

----- Medical License -----

National Provider Identifier (NPI), NPI Registry #1629362827

Pennsylvania, State Board of Osteopathic Medicine #OT014138

----- Certifications -----

- Certified Advanced Trauma Life Support (ATLS) For Doctors, American College of Surgeons, 2011 – Present
- Certified Multi-Regional Training Center Faculty, American Heart Association, 2009 – Present
- Certified Cardiac Device Specialist (IBHRE), International Board of Heart Rhythm Examiners, 2007 – Present
- Certified Pediatric Advanced Life Support Instructor (PALS-I), American Academy of Pediatrics, 2007 – Present
- Certified Advanced Cardiac Life Support Instructor (ACLS-I), American Heart Association, 2005 – Present
- Certified Emergency Medical Services Instructor, U.S. Department of Transportation, 2004 – Present
- Certified Open Water SCUBA Diver, Scuba Schools International, 2004 – Present
- Certified Basic Life Support Instructor (BLS-I), American Heart Association, 2002 – Present
- Nationally Registered Emergency Medical Technician Advanced (EMT-I), NREMT, 2002 – Present

----- Work History -----

Software Engineer, Medtronic Cardiac Rhythm Disease Management, Fridley, MN, January 2006 – August 2007

Communications Supervisor, UMN Emergency Medical Service, Minneapolis, MN, February 2003 – March 2006

Quality Assurance Engineer Intern, Minnetronix, Saint Paul, MN, June 2005 – December 2005

Emergency Room Technician, Fairview University Medical Center, Minneapolis, MN, May 2002 – July 2005

Phlebotomist, ZLB/Aventis Bioservices, Minneapolis, MN, February 2003 – February 2004

Electrical Engineering Intern, Alliant Techsystems, Plymouth, MN, May 2002 – September 2002

Electronics Technician, University of Minnesota Psychiatry Research, Minneapolis, MN, November 2001 – May 2002

----- Awards and Honors -----

- Student Doctor of the Year, Lake Erie College of Osteopathic Medicine, 2010-2011
- T.O.U.C.H. Community Service Award, Lake Erie College of Osteopathic Medicine, 2011
- LECOM Student Government Association Scholarship, Lake Erie College of Osteopathic Medicine, 2010
- T.O.U.C.H. Community Service Award, Lake Erie College of Osteopathic Medicine, 2010
- LECOM Ambassador Scholarship, Lake Erie College of Osteopathic Medicine, 2009
- T.O.U.C.H. Community Service Award, Lake Erie College of Osteopathic Medicine, 2009
- Student Doctor of the Month, Lake Erie College of Osteopathic Medicine, August 2008
- Mortar Board Fellowship, Mortar Board National Foundation, 2007
- Owen Schott Engineering Scholarship, University of Minnesota, 2004
- Volunteer of the Year, University of Minnesota Emergency Medical Services, 2003
- Roger Norby Engineering Scholarship, University of Minnesota, 2002
- ATK Foundation Scholarship, Alliant Techsystems, 2001

----- Activities and Volunteering -----

- Software Developer and Lead Editor, Sepsis Guide Mobile Surviving Sepsis Application for Apple iOS, 2011
- Volunteer Instructor for BLS, ACLS, and PALS Courses, UPMC Hamot Medical Center, 2010-2011
- Volunteer Instructor for Paramedic, EMT, ACLS, PALS, and CPR Courses, EmeryCare Inc., Erie, PA, 2008 – 2011
- Software Developer and Lead Editor, Pain Guide Mobile Pain Management Application for Apple iOS, 2010
- Volunteer Instructor for EMT, ACLS, and BLS Distance Education, Allied Medical Training, Minneapolis, MN, 2010
- Software Developer and Lead Editor, Gas Guide Mobile Anesthesia Application for Apple iOS, 2010
- Software Developer and Lead Editor, OMM Guide Mobile Osteopathic Application for Apple iOS, 2009
- Independent Study Pathway Representative, Lake Erie College of Osteopathic Medicine, 2008 – 2009
- Student Ambassador, Lake Erie College of Osteopathic Medicine, 2008 – 2009

- National Section Coordinator, Mortar Board National Senior Honor Society, 2006 – 2008
- Counselor, Camp Odayin for Children with Heart Disease, 2006
- National Conference Ambassador, Mortar Board National Senior Honor Society, 2006
- President, Minnesota Chapter of Mortar Board National Senior Honor Society, 2005 – 2006
- Volunteer, University of Minnesota Emergency Medical Services, 2001 – 2006
- Conference Speaker, “Medical RFID, MRI and EMC Testing”, IPC Flex, Chips and RFID, 2005
- National Competition Team Member, FIRST Robotics Minnesota, 2001

----- **Professional Affiliations** -----

- Society for Airway Management, 2011 – 2012
- American Pain Society, 2011 – 2012
- Pennsylvania Medical Society (PAMED), 2011 – 2012
- Divers Alert Network (DAN), 2011 – 2012
- International Anesthesia Research Society (IARS), 2010 – 2012
- Society for Education in Anesthesia (SEA), 2010 – 2012
- Society for Technology in Anesthesia (STA), 2010 – 2012
- Pennsylvania Society of Anesthesiologists (PSA), 2010 – 2012
- American Society of Anesthesiologists (ASA), 2009 – 2012
- American Osteopathic College of Anesthesiologists (AOCA), 2009 – 2012
- American Heart Association (AHA) Council on Cardiopulmonary, Preoperative, and Critical Care, 2008 – 2012
- American Medical Student Association (AMSA), 2007 – 2011
- Pennsylvania Osteopathic Medical Association (POMA), 2007 - 2011
- American Medical Association (AMA), 2007 – 2012
- American Osteopathic Association (AOA), 2007 – 2012
- IEEE Engineering in Medicine and Biology (EMB) Society, 2001 – 2012
- National Associations of Emergency Medical Services Educators (NAEMSE), 2004 – 2007
- Eta Kappa Nu (HKN) International Electrical Engineering Honor Society, 2003 – 2006