

# DE-IDENTIFIED CV#4

## EDUCATION

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- DO** West Virginia School of Osteopathic Medicine May 2013
- BS** University of Massachusetts, Boston  
Biology August 2007  
Graduated Cum Laude
- BA** University of Massachusetts, Boston August 2007  
English  
Graduated Cum Laude

## WORK HISTORY

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- Resident, Emergency Medicine, Central Michigan University** July 2018 – Present
- PGY-3 resident.
  - QI Representative for EM Residency
  - Member of the Physician Wellness Committee.
- General Practitioner, Upper Valley Urgent Care** August 2016 – June 2018
- General medicine practitioner at a high-volume urban urgent care.
  - Practice focuses on diagnosing and treating minor illness and injury.
  - Stabilization of patients with conditions that exceed urgent care treatment capabilities and arranging transport and disposition to higher levels of care.
- General Practitioner, QTC** July 2015 – June 2018
- Performs retirement and benefit exams of active duty and retired military personnel.
  - Head to toe physical exams are compared against known health issues and recommendations are made to the Veteran's Administration for disability ratings.
  - Medical record reviews are conducted on behalf of the VA and used to provide an Independent Medical Opinion (IMO).
- Flight Surgeon, US Army** August 2014 – June 2018
- Primary care physician for 2-501<sup>st</sup> GSAB, 1<sup>st</sup> Armored Division Combat Aviation Brigade, stationed at Fort Bliss, Texas, a flight unit consisting of 600 active duty pilots, support staff, and command staff.
  - Director of medical evacuation (MEDEVAC) for 2-501<sup>st</sup> CAB.
  - Director of medical education for soldiers serving as flight paramedical personnel.
  - Medical Review Officer (MRO) for battalion.
  - Officer in charge (OIC) of battalion medical clinic.
- General Surgery Intern, William Beaumont AMC** July 2013 – June 2014

- General surgery internship in a high-volume surgical center.
- Surgical experience in laparoscopic general surgery procedures, including colo-rectal and bariatrics.
- Critical care experience in the surgical intensive care unit

**Associate Scientist, EMD Serono**

July 2007 – July 2009

- Research scientist in the small molecules department, specializing in robotic assisted assays of novel tyrosine kinase inhibitors against known signal proteins.
- United States liaison for compound logistics, working with Swiss and German counterparts.

**POST-GRADUATE EDUCATION**

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**Fundamentals of Critical Care**

- Central Michigan University September 2018

**Advanced Trauma Life Support**

- Central Michigan University August 2018

**ACLS Instructor**

- Fort Bliss, TX September 2016

**PALS instructor**

- Fort Bliss, TX August 2016

**Flight Surgeon Course**

- Fort Rucker, Daleville, AL July – August 2014

**General Surgery Internship**

- William Beaumont Army Medical Center, El Paso, TX July 2013 – June 2014

**Fort Sam Houston, San Antonio, TX**

- Combat Casualty Care Course December 2013

**SCHOLARLY ACTIVITY**

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1. The Light Beam Artifact in COVID-19. POCUS Atlas, May 2020.
2. Cerebral Venous Sinus Thrombosis: An uncommon presentation masquerading as sepsis. *Accepted at statewide research meeting, EMRAM* Presented at CMU Research Day, April 2020.
3. COVID-19 Disaster: A Simulation for Emergency Medicine Physicians. *Submitted to MedEdPORTAL May 2020.*
4. Spinal Cord Compression from Bony Metastasis: A radiation oncology emergency. Presented at CMU Research Day, 2020.
5. The use of scribes in an academic emergency department leads to increases in RVU, acuity of patients seen, and PPH. Presented at CMU Research Day, April 2020
6. Lung Ultrasound for Viral Pneumonia in three easy steps. This is a document that describes the procedure for the use of US in COVID-19 patients. It was placed in the CMU ED and shared on social media.

7. Coronavirus Impacts on Emergency Medicine Residency. ACEP Now, April 2020.
8. A Human Connection is sometimes the best medicine we can give. ACEP Now, September 2019.
9. Thoracic Aortic Dissection. POCUS Atlas, March 2019.
10. "Venomous Reptile Bites", EM Basic Podcast, June 2017.
11. Deploying in Support of the Ebola Response: Resilience in US Soldiers. Presented at the International Society for Traumatic Stress Studies meeting, Ebola symposium, November 2015.

### **PRESENTATIONS (SELECTED)**

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1. The Use of Ultrasound in COVID-19 Patients. Michigan College of Emergency Physicians Regional Meeting, July 28th, 2020.
2. Introduction to Ultrasound Workshop. Central Michigan University, July 2020.
3. The Use of Ultrasound in COVID-19 Patients. Central Michigan University Emergency Medicine Residency, Grand Rounds. Saginaw, MI. June 2020
4. The Use of Ultrasound in COVID-19 Patients. Guest lecturer at Genesys Emergency Medicine Residency, Grand Rounds. Flint, MI. May 2020
5. Introduction to Ultrasound and the FAST exam. This was presented to the EM Interest Group of CMU medical school. The Interest Group was composed of MSI and MSII's who are considering EM as a medical specialty. November 2019.
6. Organ Donation: One Final Gift. Presented in collaboration with Gift of Life, Covenant Healthcare, June 2019.
7. Intubation. This was presented to the EM Interest Group of CMU medical school. The Interest Group was composed of MSI and MSII's who are considering EM as a medical specialty. February 2019

### **DEPLOYMENTS**

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#### **Operation: United Assistance**

- Deployed to Monrovia, Liberia with 2-501<sup>st</sup> Combat Aviation Brigade as the Battalion Surgeon, for the purposes of providing healthcare to pilots and aircrew as we assisted USAID and Doctors Without Borders in containing the Ebola threat in West Africa.
- Established an unconventional Role I aid station in an austere environment.

- Employed and enforced the command directive of Ebola detection with twice daily temperature screens of the deployed soldiers.
- Ensured adherence to malaria prophylaxis measures, to include daily medication compliance, and the use of bed nets and permethrin treated uniforms.
- Established weekly education sessions for flight medics to prepare them for paramedic and Physician Assistant training, as well as maintaining and augmenting their existing clinical skills.
- Supervised Table VIII training of line medics to keep their certification up to date.

## **RESEARCH EXPERIENCE**

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### **Walter Reed Army Institute of Research, Center for Military Psychiatry and Neuroscience, Silver Spring, MD.**

- Behavioral health study in partnership with the Walter Reed Army Institute of Research (WRAIR). The findings were presented as a poster during the Ebola symposium at the International Society for Traumatic Stress Studies annual meeting.
- This study is designed to analyze behavioral health in the pre-deployment, deployment, and post-deployment state during Operation: United Assistance, a humanitarian mission to supply building and logistical support to Doctors Without Borders and USAID during the Ebola outbreak in West Africa.
- Authored several questions regarding specific developments and conditions within the mission.
- Provided direct feedback to WRAIR scientists based on my observations of soldiers within the battalion.

### **EMD Serono, Rockland MA**

2007-2009

#### Associate Scientist

- Research scientist in the small molecules department, specializing in robotic assisted assays of novel tyrosine kinase inhibitors against known signal proteins.
- United States liaison for compound logistics, working with Swiss and German counterparts.

## **COMMUNITY SERVICE/HOBBIES**

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### **Stop the Bleed**

Hands-on procedure lab held with Saginaw County SWAT Team. November 2019

### **Emergency Medicine Interest Group, Procedure Lab**

Lab was held for CMU MSI-II interested in emergency medicine. February 2019 and November 2019.

## **IMPACT**

Pre-test supervisor, on-field medical personnel aid, 8/2011 – 11/2011

**TOUCH award winner**

Given for compiling 50 hours of community service, 08/2010 – 05/2011

**Guitar playing**

Rock, blues, country, folk, bluegrass styles