Zachary Skelton

1908 Georgetown Pkwy
Fenton, MI 48430
(810) 824-0298 (Cell)

Education & Certifications

- Pursing a Doctorate in Osteopathic Medicine at Michigan State College of Osteopathic Medicine
- Bachelorette of Science from Michigan State University in Kinesiology. Cumulative GPA: 3.9492

Awards

- Recipient of the 2022 William E. and Phoebe B. Clark Scholarship for the Returning Adult Student
- Recipient of the 2019 Kinesiology Outstanding Senior Award
- Nominee for the 2019 American Kinesiology Association Undergraduate Scholar Award
- Recipient of 2017-2018 Lentz Memorial Scholarship

Experience

Teaching Assistant for Prosection (Dissection) Lab, Michigan State University
January 2019 — June 2021

- Assist students with finding anatomical structures on cadavers
- Demonstrate proper dissection techniques to students
- Hold 1-on-1 sessions with students to show them proper instrument usage/care and lab policies
- Monitor lab when faculty are not present to insure unauthorized persons do not gain access
- Conduct 1-on-1 checkouts with students upon completion of their projects to insure they are ready for a faculty checkout

Crew Chief, US Air Force National Guard, Rank: Senior Airman (E-4)
August 2009 – March 2016, Honorably Discharged

- In charge of maintenance of the A-10 aircraft
- Responsible for operational inspections of hydraulic systems, mechanical controls, cooling systems, electrical systems, fuel systems, instrumentation, engine, and replacement of structural parts
- Ability to perform scheduled and unscheduled maintenance tasks on aircraft structures and systems
- Sound ability to use hand/power tools, equipment, and measuring instruments
- Strong ability to write maintenance reports
- In-depth ability to interpret and follow a variety of instructions in written, oral, diagram, or schedule form
- Sound ability to supervise

Research

Research Assistant in the Dr. Bryan Smith Lab, Michigan State University
August 2021 – Present

- Responsible for carotid ligation surgeries on mice for various lab experiments
- Scan and perform photoacoustic imaging (MSOT) on mice
- Supervise CT scans on rats for various experiments
- Conduct tail vein injections of nanotubes into mice for various experiments

Volunteer Work

Physician/Resident Coordinator, Spartan Street Medicine of Flint
August 2022 – Present

- Supervise medical clinics at various homeless shelters in the Flint, MI area
- Coordinate with physicians and residents to plan clinic events
- Train volunteers/residents on clinical duties and responsibilities
- Provide medical aid to underserved individuals

Vice President, American College of Osteopathic Surgeons (Michigan State University College of Osteopathic Medicine Chapter)
February 2021 – Febuary 2022

- Organize suture clinics and teach different tying methods to medical and undergraduate students
- Conduct anatomy review sessions for medical students
- Plan Casting and scrub clinics
- Organize attending day-in-the-life events and program director panels

Course Assistant for Cadaver Anatomy Lab (KIN 217), Michigan State University
August 2018—December 2018

- Assist students with finding anatomical structures on cadavers
- Assist instructors with exam set up and grading exams
- Find creative ways to help students learn the locations of anatomical structures without directly showing them
- Highlight structures on the body and uncover specific cadavers in preparation for lab sessions
- Cover cadavers and put away anatomical structures at the end of lab sessions

Mentor in the ACTIVE Spartans Physical Activity Mentorship Program (Internship), Michigan State University
August 2018—December 2018

- Instruct clients on how to perform physical activity
- Convey the importance of physical activity and all its domains to clients
- Find creative ways to show clients that physical activity can be enjoyable
- Conduct exercise physiology testing on clients to determine their current fitness level
- Proficiently measure blood pressure, height/weight, and heart rate on clients

Same Day Surgery Volunteer, McLaren Hospital
May 2018—August 2018

- Sanitize patient beds after surgery and apply new bedding
- Remove dirty lien from patient rooms
- Escort patients with a wheelchair to their cars/rides after surgery
- Restock blanket warmers and other commonly used equipment
- Assist the nurses whenever possible. i.e., preparing ice packs, retrieve bedding, prepare liquids or food for patients

Surgical Trauma Unit Volunteer, McLaren Hospital
January 2018—April 2018

- Restock equipment in patient rooms. i.e., gloves, masks, gowns
- Remove dirty lien from patient rooms
- Run tests to labs and retrieve patient medication from pharmacy
- Answer patient call lights and provide basic patient care. i.e., retrieve water, ice, food