

OBJECTIVE

To obtain entrance into the College of Human Medicine at MSU

EDUCATION

Michigan Technological University
BS Integrative Physiology and Kinesiology
Minor in Psychology
GPA: 3.70

Houghton, MI
Expected May 2016

PHYSIOLOGY AND KINESIOLOGY EXPERIENCE

- Evaluated joint types and flexibility of the spine, knee, hip, elbow and shoulder before and after stretching using instruments such as: Arthroial Protractor and Goniometer
- Assessed muscle physiology using Electromyogram, Grass Electrical Stimulator and a Finger Twitch Transducer
- Measured nervous system physiology using knee-jerk reflex and reaction timers
- Studied blood smears and evaluated erythrocytes, leukocytes and thrombocytes to Identify diverse anemias
- Traced electrical current through the heart using Electrocardiogram and analyzed the P-Wave, QRS Complex and the T-Wave
- Analyzed effects of respiration on heart rate responses
- Directed team of 3 in a project using a Sphygmomanometer to measure effects of stimulating video games, including systolic and diastolic pressure, pulse pressure, mean arterial pressure (MAP) and %O2 saturation
- Measured a cyclist's oxygen consumption, CO2 output, heart rate and respiratory variables using a Vacu-Med CPX Metabolic Instrument
- Measured a subject's vital capacity and other pulmonary measurements using Vitalograph Instrument

RELEVANT COURSE WORK

- Anatomy and Physiology I and Lab
- Anatomy and Physiology II and Lab
- Organic Chemistry I and Lab
- Foundations of Kinesiology
- Biochemistry

VARSITY ATHLETIC EXPERIENCE

Michigan Technological University Varsity Men's Basketball Team

2 year Letter Winner

- 2-semester daily practice commitment
- Balance 3 hour daily practice and bi-weekly game travel with full-class schedule
- Study, learn, and execute numerous game strategies and systems
- Learn and practice troubleshooting and problem solving techniques in high stress, real-time competition environment

Developed teamwork, communication skills, time management/prioritizing skills, competitive character, highly disciplined work ethic, and performance excellence

LEADERSHIP

Michigan Technological University

- **Mentor**, Little Huskies Youth Basketball, 2012- Present
- **Member**, Student-Athlete Advisory Council, 2013- Present
 - Representative for the Varsity Men's Basketball Team

Waupun Area High School

- **Captain**, Varsity Football Team, 2011
Varsity Basketball Team, 2009-2012
- **Officer**, National Honor Society, 2011-2012
 - Coordinated timelines for fundraising projects
 - Motivated high performance and adherence to timelines

HONORS and AWARDS

Michigan Technological University

- Dean's List Freshman year, 2012-2013
- Mathematical & Science Dep't. Award for Outstanding Academic Achievement, 2013
- GLIAC All-Academic Excellence Award, 2014

Waupun Area High School

- Graduated Suma Cum Laude with a 4.2 GPA, 2012
- Earned Ike Award for best Male Student-Athlete, 2012
- High Scholastic Achievement Award, 2012
- Academic All-State Basketball Team, 2011-2012
- Associated Press Third Team All-State Basketball Team, 2012
- Associated Press Honorable Mention All-State Basketball Team, 2011
- WBCA Unanimous All-State Basketball Team, 2011-2012
- Conference Player of the Year
 - Football, Offense and Defense, 2009
 - Basketball, 2008-2009, 2009-2010

COMMUNITY SERVICE

Michigan Technological University

- Special Olympics Basketball, 2011
- Stand-a-Thon Volunteer, Bay Cliff Camp, 2012
- Mentor and Advisor, Little Huskies, 2010- Present
- Bell Ringer, Salvation Army

Waupun Area High School

- Highway Clean-up Project, 2008
- Halloween Bash set-up crew, 2007-2010
- Waupun Hoopsters Basketball Mentor/Coach, 2006-2010
- Waupun Youth Football Coach, 2008-2009

WORK HISTORY

Lawn Care and Maintenance, Cattaraugus Cemetery, Waupun, WI, Mar 2010 – Aug. 2011

Summer Custodian, Waupun Area High School, Waupun, WI, June – Aug 2010

Youth Basketball Activity Coordinator, Waupun Hoopsters Club, June 2011 – Aug. 2011

Junior Legion & Little League Umpire, Waupun Little League, April 2007 - Present