

DEVIN J. CARREE

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I am an aspiring Neurosurgeon, Biomedical Researcher/ Engineer and Philosopher. I have an uplifting spirit and an always positive attitude. My goal in my career, and in life, is to learn as much as possible to create innovative and pioneering biomedical technology and techniques. I plan to use this innovation and technology to motivate and invest in my community an attitude of growth and perseverance.

EXPERIENCE

FEBURARY 2020 – PRESENT

PREOPERATIVE ORDERLY- OR, MCLAREN GREATER LANSING

As an operating room assistant, I am responsible for general unit support activities such as cleaning rooms after surgical procedures and preparing rooms and equipment for the following procedure. Another responsibility is running errands such as transferring patients to the OR, transferring specimens such as organs or tumors to pathology and retrieving blood from the blood bank, also to stock supplies in operating rooms for the procedures the following day.

JANUARY 2020 – PRESENT

UNIT ASSISTANT- POST ANESTHESIA CARE UNIT/ SAME DAY SURGERY, MCLAREN GREATER LANSING

As a unit assistant I am responsible for providing support to nursing staff and assisting in patient care following surgeries and procedures. My responsibilities include routine patient care services such as assisting in ambulation, positioning, and transferring patients, personal hygiene assistance and removing IVs and catheters. The nursing assisting responsibilities include collecting and reporting various patient data such as heart rate and rhythm, blood pressure, blood glucose and oxygen levels and general clerical support such as answering phones, notifying appropriate parties of orders and consultations

AUGUST 2018 – APRIL 2020

ENDOSCOPY TECHNICIAN, MCLAREN GREATER LANSING

My position at McLaren assumes responsibility for set-up and preparation of endoscopy procedures, rooms and equipment. My main objective is to wash and process endoscopes for immediate use in procedures and to ensure that the daily schedule proceeds with minimal delay. This includes ensuring the stock room is stocked, gas tanks are readily available and maintenance of endoscope processing machines. Other duties include assisting the registered nurses with observation of patients during admission, procedure and recovery, performing patient bedside glucose testing, and specimen labeling during procedures, as directed by Nurses.

JAN 2017 – SEPTEMBER 2019

HOME HEALTH AIDE, CYPRESS HOME CARE INC.

My role at Cypress is to assists patients with major life functions including service, collection, preparation of food and beverage, performing personal hygiene, dressing and undressing,

assisting with toileting, ambulation, lifting, transporting and assisting in range of motion activities. Many of these patients suffer from neurological and physical ailments such as Angelman's Syndrome, Parkinson's Disease, ALS, automotive injuries, who would not be capable of doing such things on their own.

JULY 2013 – AUGUST 2013

**PERSONAL CARE ASSOCIATE, PROJECT GENESIS AT DETROIT MEDICAL CENTER:
DETROIT RECEIVING HOSPITAL**

Project Genesis is a summer employment program that exposes high school juniors to quality work experience and job skills in the healthcare field at the Detroit Medical Center. Project Genesis provides interns with many interesting career potential jobs that will be a foundation for career choices. The program helps develop good work habits and stresses both career development and provide hands-on job experience. My position in Project Genesis was a Personal Care Associate in 5R-MICU. My job at the DMC was to care for patients noninvasively, according to nurses. My duties included transporting patients to treatment units, tending to patients' needs, preparing and testing devices such as EKG machines.

EDUCATION

JANUARY 2021

CERTIFICATION OF COMPLETION, CODECADEMY / COURSERA

Codecademy is an American online interactive platform that offers free coding classes in 12 different programming languages including Python, Java, Go, JavaScript, Ruby, SQL, C++, C#, Swift, and Sass, as well as markup languages HTML and CSS.

Certificates: Python 3, R, HTML (Codecademy) Website: carreede.github.io

Certificates: IBM Data Science Professional Certificate by IBM (expected December 2021)

Genomic Data Science Specialization by Johns Hopkins (expected December 2021)

DECEMBER 2020

BACHELOR OF SCIENCE(S), MICHIGAN STATE UNIVERSITY

Major(s): Molecular Genetics and Genomics (CeDiD: 2008-2XQD-DQRH)

MAY 2020

CERTIFICATE OF SPECIALIZATION, COURSERA

Coursera is an American online learning platform founded in 2012 by Stanford professors that offers massive open online courses, specializations, and degrees.

Fundamental Neuroscience for Neuroimaging Certification by Johns Hopkins

Epidemiology in Public Health Practice Specialization Certification by Johns Hopkins

MAY 2020

BACHELOR OF SCIENCE(S), MICHIGAN STATE UNIVERSITY

Major(s): Human Biology (CeDiD: 206K-U757-D9EY), Neuroscience (CeDiD: 20LJ-U1IN-D7EY)

Minor(s): Philosophy, Cognitive Science, and Plant, Animal and Microbial Biotechnology

Relevant Coursework:

- **ANTR 350:** Human Anatomy
- **BMB 401:** Comprehensive Biochemistry

- **CEM 252/255:** Organic Chemistry Lecture/ Lab
- **CSD 213:** Anatomy & Physiology of Speech and Hearing Mechanisms
- **HRT 486:** Biotechnology in Agriculture: Applications and Ethical issues
- **IBIO 341/ 445:** Fundamental Genetics/ Evolution
- **LIN 463:** Cognitive Science
- **MMG 301/341/409:** Microbiology/ Immunology/ Eukaryotic Cell Biology
- **MMG 408/431/ 433:** Advanced microbiology Lab/Microbial Genetics/ Genomics
- **NEU 302/311L:** Neuroscience II Lecture/ Lab
- **PHL 461:** Metaphysics
- **PHM 350:** Intro to Pharmacology
- **PSL 310:** Physiology for Pre-Health Professionals
- **PSY 200/ 209:** Cognitive Psychology/ Brain and Behavior
- **STT 201/231:** Statistical Methods/ Stats for Scientists

Dean's List Summer Semester 2019

JAN 2019 – PRESENT

RESEARCH ASSOCIATE IN EMBRYONIC & REPRODUCTIVE BIOLOGY, DEPARTMENT OF ANIMAL SCIENCE AT MICHIGAN STATE UNIVERSITY

This research is conducted under Reproductive and Developmental Sciences Program (RDSP) at MSU on campus and uses the mouse as a model organism to study early embryogenesis and trophoblast stem cell biology. The current NIH-funded research project identifies transcriptional mechanisms that control preimplantation embryo development and trophoblast lineage formation. The goal of my undergraduate research project is to develop a molecular tool for labeling individual cells in preimplantation embryos using a pCS-H2B-RFP vector. Such experiments include procedures such as bacterial transformation, purification of plasmid and DNA sequencing and restriction digest.

MARCH 2017

SERVICE LEARNING ABROAD, SACRED HEART ELEMENTARY SCHOOL (SAN IGNACIO, BELIZE)

During my service-learning abroad trip in San Ignacio, Belize I was a teaching assistant for students learning biology and chemistry in the 9th and 10th grade (the American school system equivalent). This experience was very important to me because I was able to relate my students' situation and their enthusiasm for education to the situation and enthusiasm for education of my peers. I was also able to relate the optimism of their personalities with respect to their quality of life as compared to my peers.

AUGUST 2016

ASSOCIATE OF SCIENCE, LANSING COMMUNITY COLLEGE

Major(s): Pre-Professional Health, Biology

Degree Earned (2017)- CUM LAUDE

Dean's List Spring semester 2015, 2016

AFFILIATIONS/ EXTRACURRICULAR ACTIVITIES

AUGUST 2016– PRESENT

MENTOR (CHAPLAIN)/ COMMUNITY SERVICE COORDINATOR, MEN OF E.L.I.T.E.
(EXCEEDING LEADERSHIP AND INNOVATING TRUE EXCELLENCE)

Men of E.L.I.T.E. works to uplift and advocate for the advancement of minorities and impoverished adolescents in education. The mission of the Men of E.L.I.T.E is to provide “an opportunity for the development of Michigan State University students through mentorship, personal growth, professional development, life skills, and community outreach.” As Chaplin, it was my duty to maintain the positive morale of our organization by providing social interaction among each other and uplifting other members spiritually. As a part of the community service committee, it was my responsibility to find and present community service opportunities to the organization.

AUGUST 2016 – PRESENT

MINORITY ASSOCIATION OF PREMEDICAL STUDENTS, STUDENT NATIONAL MEDICAL ASSOCIATION

OsteoMAPS- A program that involved a keynote speaker, MSU College of Osteopathic Medicine tour, medical school panel, Osteopathic Manipulative Medicine & Suturing, Cadaver lab and a certificate of completion.

SNMA Annual Medical Conference

MAY 2016 – MAY 2018

MICHIGAN STATE CLUB FOOTBALL TEAM

Defensive Back Team Captain

AUGUST 2015 – PRESENT

PHI THETA KAPPA, INTERNATIONAL HONOR SOCIETY, ALPHA UPSILON ZETA CHAPTER

Phi Theta Kappa is an honor society that recognizes academic achievement of community college students.