Arleigh J. Wood

Tappahannock, VA | (804)-296-5427 | arleigh.wood@live.longwood.edu

# Objective

# My life-long goal has been to attend a competitive medical school and become a physician. I have a passion for caretaking and anatomical sciences and could not see myself pursuing any other career. Attending medical school would give me an opportunity to give back to the community that raised me by returning home to be a doctor.

# Education

## Bachelor of science | Expected graduation May 2021 | Longwood University

* Major: Biology
* Minor: Chemistry, Spanish
* Current GPA: 3.768
* Dean’s List 3 Semesters, President’s List 2 semesters
* Related coursework: Immunology, Cell Biology, Organic Chemistry I & II, Anatomy I & II, Microbiology, Biochemistry, Vertebrate Morphology, Toxicology

# Experience

## ORFan Gene research | Dale Beach | August-november 2017

* Research and experiment with unknown function of ORFan genes
* Use many lab techniques and equipment
* Problem solve and think critically about an unknown topic of biology

## Bacteria control Research | Denis trubitsyn | August- November 2018

* Discovered methods to educate public about sanitary conditions
* Experimented on highly trafficked areas around Longwood University
* Identified unknown microbes

## Oestrogenic activity of parabens| Andrew yeagley | August-November 2018

* Created a safer paraben to use in products that block estrogen receptor
* Chemical synthesis of a paraben along with biological assays to test antimicrobial efficiency
* Became familiar with different lab techniques and equipment quickly

**CYSTIC FIBROSIS IMMUNOTHERAPY APPROACH| AMORETTE BARBER | JANUARY-MAY 2019**

* Described and examined the effects of cystic fibrosis along with current treatments
* Created new gene therapy to suppress inflammation, combine antibiotics, balance steroids
* Presented new potential therapy for patients suffering with CF

**HENRICO DOCTORS HOSPITAL SHADOWING| DECEMBER 2018-JANUARY 2019**

* Over 50 hours in operating room (Cardiac, Cardiothoracic, Pulmonary, Oncology)
* Over 20 hours doing rounds (Pulmonary, Gynocology)
* Networked and gain valuable experience in clinical and private settings

**CHIMERIC ANTIGEN RECEPTORS FOR TUMOR THERAPY| AMORETTE BARBER |AUGUST 2020-**

* Research internship studying the use of genetically modified T cells to target cancer cells

# Leadership

* Captain of the Longwood University Women’s Softball Team
* Women’s Softball Media Representative
* Student Athletic Advisory Committee Member 2018-Present and 2020-21 Treasurer
* Longwood Pre-Med Scholars Program

# Volunteer Work

## Riverside Tappahannock Hospital | August 2016-present

* Developed patient care skills by assisting with check in, delivering meals to patient’s rooms, and assisting the nurses in daily tasks.
* Worked alongside different physicians daily
* Developed proper bedside manners

## Heritage baptist chruch, farmville, Va |September 2019-march 2020

* Monthly dinners hosted by the church for the community
* Longwood Softball players volunteered to distribute food and participate in community fellowship
* I coordinated the event with a church member