# Education

## West Virginia University August 2014 – May 2018

GPA: 3.85

B.S., Mathematics and Physics (Area of Emphasis – Biophysics)

Statistics Minor

**Test Scores**

Graduate Record Exam: 170 Verbal, 170 Quantitative (Both Perfect Scores), 4.5 Writing (82nd Percentile)

MCAT: 524/528 (Upper 99th Percentile)

SAT: 800 Verbal, 800 Math, 800 Writing (All Perfect)

## Woodrow Wilson High School August 2010 – May 2014

GPA: 4.0

Class Rank: 2/400

# Experience

## Research

* Computational Physics, WVU. Dr. Zachariah Etienne. Summer 2016 – May 2018.
* Project contribution centered on optimizing and validating changes to a large (100k Line) Git Repository of C++ Code. Selected Publication: “Improving performance of SEOBNRv3 by ~300**×,**” Classical and Quantum Gravity. 35: 15 (2018).
* Computational Biology, NSF-REU, Yale University. Dr. Corey O’Hern and Dr. Lynne Regan.
  + Project contribution centered on writing Python and MatLab code to compare high-dimensional software output. Selected Publication: “Collective repacking reveals that the structures of protein cores are uniquely specified by steric repulsive interactions,'' Protein Eng. Des. Sel. 30 (2017) 387.

## Employment

* (Self-Employed) Pasadena Test Preparation, Founder. February 2018-Present.
* Next Step Test Preparation, GRE Tutor, Writer. Aug 2017-February 2018.
* Daily Athenaeum, Advertising Copy Writer, Spring 2016.
* WVU Athletics Tutor. Fall 2015.
* School of Harmony Violin/Cello Instructor. Fall 2013-Spring 2014.

## Leadership/Service

* West Virginia Sierra Club Executive Committee, Vice Chair. June 2017-Present.

## Awards

* WVU Outstanding Senior
* 2014 U.S. Presidential Scholar
* 2014 National Merit Scholarship Winner