

Bradley Melvin

Student

Contact

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Skills

Clinical microbiology competency

Excellent

HIPPA compliance

Excellent

Lab testing and reporting

Very Good

MRSA PCR testing

Good

Safe specimen handling

Excellent

Lab equipment maintenance

Excellent

Sharp critical thinker

Very Good

It is my objective to attend medical school after graduating from Iowa State University and eventually obtain a surgical residency somewhere on the east coast on the United States.

Work History

2019-06 -

Internship- Lab Assistant

2019-08

Mississippi Valley Regional Blood Center, Davenport, IA
As an intern in the MVRBC's processing and release lab, I was tasked with the packaging and disposal of products obtained from our donors by the phlebotomists. I began each day by packing 20-30 boxes of frozen plasma to be distributed by our truck drivers biweekly. The second half of my day involved going through every unit of red blood cells, plasma, and platelets being held by the blood center at that given time, scanning them to ensure that they had passed their very extensive testing procedure for disease antigens or antibodies and disposing of them properly if need be.

2017-03 -

Concessionist/Theatre Usher

2018-03

Cinemark Theaters Davenport 18 IMAX, Davenport, IA
While working for the local movie theater, I spent the majority of my shifts serving food in concessions. In doing so, I interacted with a large assortment of people. The movie theater is unique in that all different kinds of people go to the movies. I interacted with customers from every different race, gender, sexuality, socioeconomic background, etc.

Education

2014-08 -

High School Diploma

2018-05

Pleasant Valley High School - Bettendorf, IA

Throughout high school, I maintained a grade point average of 4.2 and took numerous honors and AP level classes. After class, I was involved in the Boy Scouts of America and our high school's varsity baseball team.

2018-08 -

Bachelor of Science: Microbiology And

Current

Genetics

Iowa State University - Ames, IA

I plan on graduating with a dual-degree in microbiology and Genetics while satisfying all of my pre-med requirements. I believe that my current grade point average of a 3.92 as well as my 34 on the ACT is a good reflection of my academic capacity.

Accomplishments

Top 1% on the ACT - April 2018 - An award that I am particularly proud of that I believe well exhibits my scholastic aptitude.

Eagle Scout Award - 4/8/2018 - The highest award given to Boy Scouts of America. The Eagle Scout Award represents high achievement in community service and character.

Joseph Flemming Endowment Scholarship - April 2019 - An ISU scholarship given for high scholastic achievement.

Freshman Honors Program Mentor Grant - Spring 2019 - A grant given to honors student's mentors for their student's high impact on their research.

Cyndy Beher Scholarship- April 2018 - A character and scholastic based scholarship given to a senior student by Pleasant Valley High School.

Dean's List- Fall 2018, Spring 2019, Fall 2019 - A mark of scholastic achievement by Iowa State University.

UMC Scholarship- April 2018 - A scholarship given out by my United Methodist Church for high character and scholastic achievement.

Extracurricular activities

President of the Iowa Beta Chapter of Sigma Phi Epsilon (Fall 2019-Present)- As the President of my fraternity, I oversee the daily proceedings of my 100 man chapter and lead chapter meetings. My primary responsibility is maintaining external relationships of the immediate chapter. This includes regular meetings with the Dean of Greek Affairs, our faculty fellow, AVC chairmen, and a few others. Other responsibilities include making decisions for the betterment of the chapter and reviewing brother's membership when need be. The latter is most definitely the hardest part of my job. Removing members for inappropriate behavior that goes against our creed is always a very difficult decision. Not only are one of my friends being removed from their residence, but they are being spatially separated from their immediate friend group as well. These decisions are usually not popular according to the general opinion of the chapter, but I always put the chapter's prosperity first.

Academic Chair of the ISU Premedical Club (Fall 2019-Present)- As the academic chair, I am tasked with leading educational seminars regarding the premed application process and helping the rest of the committee make decisions about the club. My secondary responsibility is setting up study groups for members of the club by class.

Dr. Anantharam and Dr. Kanthasamy's Research Group (Spring 2019-Present)- As an undergraduate researcher in Dr. Anantharam and Dr. Kanthasamy's lab, I conduct neurodegenerative disease research focusing on diseases such as Parkinson's and Alzheimer's. The lab's goal is to understand both the mechanism of the diseases and means of preventing their onset. My primary job when I began working in the lab was to maintain cell culture lines for treatments. Since then, I have been progressing and preparing myself for independent studies. This has included quantitative PCR to determine protein expression in treated mice, gel electrophoresis, Bradford protein assays, and mouse testing and maintenance.