
Alvin Bett

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EDUCATION: University of Maryland Baltimore County,
Baltimore - *Major: Bioinformatics and Environmental Science*
Major - 3.62

August 2021 - Present

I am in the undergraduate program at UMBC studying environmental science with the objective of working on issues around global, regional, and climate impacts in our society.

SKILLS

UNIX - I can do complex coding using the script of Unix.

Microsoft Excel - I have mastered using Excel and the wide variety of tools they provide. I can create bars and plots off of any given data. I can sort and organize data to make meaning of numbers.

Wet Lab Skills - I have done many labs involving the usage of the micropipette and can fully understand the equipment. +

EXPERIENCE

AOIT Program, Damascus High School - *Cybersecurity* August 2017 - June 2021

- Complete cybersecurity tasks by using intricate programs.
- Master the art of decoding by learning binary code.

STEM BUILD, University of Maryland Baltimore County - *STEM* September 2021 - Present

- Environmental science - Tested the effect of vegetation level on the average weather of a region and the urban heat island effect on said vegetation.
- Physics - Measured a statue using trigonometry and physics techniques
- Osmosis - observe the effect of changing a solute's concentration on osmosis through a semipermeable membrane by finding the percent change in mass of the dialysis tubing.
- Biochemistry - determine the optimum temperature and pH range for a certain enzyme to catalyze a reaction.
- Using BLASTP to assign and reassign function to phages.
- Annotating phages with GeneMark and DNA Master.
- spot testing to determine the concentration created the best plaques
- Host range testing with the streaking method.

Clubs:

Geography and Environmental Systems Council of Majors - University of Maryland Baltimore County February 2022 - Present

Biology Council of Majors - University of Maryland Baltimore County September 2022 - Present

African Student Association - University of Maryland Baltimore County September 2021 - Present

Bonsai Club - University of Maryland Baltimore County September 2022 - Present