



Cyberninjaz Inc.



Bertrand Zhu

College Park Scholars – Science & Global Change Program

Mechanical Engineering

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Introduction

My name is Bertrand Zhu and I am a sophomore Mechanical Engineering Student at the A James Clark School of Engineering. I started working at the Cyberninjaz summer camp during the summer of my freshman year.



One method of caption: directly underneath. Image from Global Greenhouse Gas Reference Network (<https://www.eol.ucsb.edu/and/eng/trend/>) [Note font size is smaller than body text. Also, see how the URL is highlighted. FIX THAT! Select it; right click to select "Hyperlink", select "Edit", and select "Remove link".]

Site Information:

St. Andrews Episcopal School

8804 Postoak Rd. Potomac, Maryland

Piankhi Zimmerman

The mission of Cyberninjaz is to have each camper walk away with knowledge and skills that will help them in their personal lives and ultimately, their professional lives.

The particular goals that I had when I went was to teach my assigned campers the basics of GameSalad and limits to my older students

Issues Confronting Site:

Several issues that I encountered on the site during my internship was trying to balance the amount of work each of my campers did while still making sure they had fun while also learning important skills. Some students are of different ages and backgrounds and require different teaching styles.

Activities:

I worked with students in a variety of age ranges from K-12 and taught game design to the younger students who had interested in game design and wished to create their own video games. I also worked with older students and taught other subjects such as Precalculus and basic Python.

Impact:

The goal of Cyberninjaz is to reach out to underprivileged communities and teach them the basics of computer programming in order to help them find jobs in the computer science industry when they grow older.



Image from https://climate.nasa.gov/climate_resources/24/ (note font size is smaller than body text)

My experience had a profound effect on myself as I was able to develop a lot of social skills (talking with parents, teaching students) while also shoring up my computer programming skills and also learning the programming language of Game Salad itself. During my time with Cyberninjaz I developed that I have a passion for teaching and I am planning to TA for some courses in the upcoming semesters.

Future Work:

In the future I hope to learn about more programming languages such as G-develop and work with more campers to hopefully expand the camp. The future goal of Cyberninjaz is to eventually become something almost like a school that teaches computer programming for underprivileged kids.

The link to the Cyberninjaz Website is here: <https://www.cyberninjaz.org/>

I'd like to thank Piankhi Zimmerman, Clarence Alexander, Christopher D'angelo, Dr. Holtz, and Dr. Merck



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