My name is Hagen Hodgkins. I was born in Plymouth, Massachusetts. I am a sophomore at Elizabeth City State University with a major in computer science with a scientific concentration. Since a young age I have enjoyed using computers and other forms of technology such as entertainment systems. However it was my love of science fiction books and movies that drove me to pursue knowledge in computers further.

To advance my knowledge of computers early I completed digital design and Microsoft certification classes at Camden County High School. During that time I learned about image editors and what could be accomplished with them along with rudimentary coding skills and website design. In my first semester at Elizabeth city State University I was able to take part in the Center of Excellence in Remote Sensing Education and Research (CERSER) Program in which I was able to vastly expand my knowledge of computer programs and coding in different languages as part of the training program that was offered by CERSER to prepare me for a role in one of the research teams.

During the spring of 2015, I became a part of a research team at ECSU that worked on creating a database under the guidance of Jeff wood. This Project fell under the title, "Implementation of an interactive database interface utilizing HTML, PHP, JavaScript, and MySQL in support of water quality assessments in the Northeastern North Carolina Pasquotank Watershed." The goal of this project was to manufacture a database system that would house the water quality data gathered by the Summer Research Experience for Undergraduate teams during the summers of 2014, 2013, and 2011.
 The primary focus was laid upon the how the data would be entered and displayed within the database as it was critical that the database be viable for use will in the field.

In the summer of 2015 I was able to participate in two different programs. One of which was a course offered by CERSER that expanded my knowledge on the programming language, Python. This proved to be invaluable as my knowledge of python was tested in the bioinformatics course offered by the Vikings Enhancing Science, Technology, Engineering and Mathematics (VESTEM) program. During this course I learned that technology plays an important role in today's biology and chemical fields.

Going into the 2016 summer season I took part in a research internship. This research experience offered by Indiana University exposed me to new information. Over the course of the project, "Developing big data and development environments using Ansible," I was introduced to a new language which I had never encountered before, YAML (Yet Another Markup Language). During this time I also became more accustomed to the Linux operating system as well as working with GitHub. The project itself focused on the deployment of big data and development environments along with their dependencies with the least amount of user interaction required. These needs to limit the required user interaction lead to the use of YAML which is proficient at the automated deployment of programs and files in bulk.

During the summer 2017 season I had the privilege to participate in an internship through the Science Gateways Community Institute that saw me traveling out to Purdue University. There I worked with a team from Illinois University to develop a hub for the purpose of hosting social media information and

analytic tools, Incubator Project involving Social Media Macroscope. To assist in this I was able to work with an onsite team at Purdue University from HubZero.

In future, I intend to jumpstart my career in the field of computer science working with IBM.