

# Ayana Monroe

CHANCELLOR'S SCIENCE SCHOLAR

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## EDUCATION

**University of North Carolina - Chapel Hill** | Anticipated Date of Graduation: May 2023

- Summer Session II GPA: 4.00 (Unweighted)

**Long Reach High School, Columbia, MD** | Date of Graduation: May 2019

- GPA: 4.57
  - Relevant Coursework: Computer Science AP, Psychology AP, Principles of Java Programming, Advanced Object Oriented Design, Advanced Data Structures
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## WORK EXPERIENCE

**Intern at the Applied Physics Lab (APL)** | Summer 2017 & Summer 2018

- Created a node visualizer with Python and plotly to read files of nodes and their connections and plot them.
- Collaborated with APL employees on Neuroscience and Engineering projects using Python, Java, and Web Development skills.
- Oversaw the development of a Neuroscience Python course for graduate students.

**Teaching Assistant (TA) for the NSA GenCyber Program** | July 2018 - August 2018

- Collaborated with industry professionals to teach Cybersecurity principles to elementary school students.
- Supported program participants through teaching lessons and creating teaching materials.

**TA for the Maryland Center for Women In Computing** | September 2017 - June 2019

- Mentored local middle school students in conjunction with the UMD MCWIC program.
  - Taught Python, Oculus, Scratch and general web development principles.
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## LEADERSHIP EXPERIENCE

**Chief Operating Officer of CodeHER** | July 2017 - June 2019

- Managed all internal codeHER functions and served as an internal leader.
- Raised over \$5,000 for CodeHER's summer program in Morocco that served 40 girls.
- Chaired CodeHER's Baltimore Expansion and Howard County expansion plans.

**Project Manager for the Long Reach CyberRobot MESA Team** | September 2018 - May 2019

- Oversaw the development of a 1st place, state level, award winning Python program.
- Lead a team of five through the program development, refinement, competition, and presentation stages.

**Chairwoman of Howard County Association of Student Councils (HCASC) STEM**

**Committee** | May 2018 - May 2019

- Supported Howard County students interested in STEM.
  - Found STEM opportunities by working with Howard County schools.
  - Coordinated STEM volunteering events and meetings for HCASC
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## AWARDS:

- National Center for Women & Information Technology National Honorable Mention & Maryland Affiliate Winner for Aspirations in Computing (2019)
  - Delta Sigma Theta Sorority Inc. Gilda Lewis Public Service Award (2019)
  - Howard County Foundation for Black Educational & Cultural Achievements Civic Leadership Award (2019)
  - Long Reach High School Computer Science Excellence Award (2017 & 2019)
  - Trailblaze Foundation Inaugural Peer Leadership (2017)
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## SKILLS

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|-------------------|--------------------------|--------------------------|
| • Web Development | • Python                 | • Google Suite Skills    |
| • HTML            | • Java                   | • Communication Skills   |
| • Javascript      | • Spanish Literacy       | • Analytical Skills      |
| • CSS             | • Research Skills        | • Time Management Skills |
| • Bootstrap       | • Microsoft Suite Skills | • Leadership Skills      |
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