

# Emanda Seifu

<https://www.stemimpressionists.org>  
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## EDUCATION

Woodson High School, 2021  
Virginia Tech, 2025

GPA: 4.00  
Major: Computer Science

## EXPERIENCE (<https://goo.gl/WcqSS8>, <https://goo.gl/9ywbq9d>)

### Coding

- 2020-2021: AP Computer Science A: Java (<https://apcentral.collegeboard.org/courses/ap-computer-science-a/course>)
- 2020: NCI's Virtual CyberPatriot Cybercamp (<https://thenewcollegeinstitute.org/event/cyberpatriot-cybercamp/>)
- 2019-2020: Computer Science: Java (<https://cutt.ly/vtxj9NH>)
- 2018: 5-Week Java Bootcamp (<http://myhstis.org/courses.html>)
- 2016: Hour of Code Participant (<https://code.org/>)

### Guest Presentation/Speaker

- 2021 Champions For Science Virtual Educators Conference: Students as Partners (<https://youtu.be/ulxyvw5re620>)
- 2021 Champions For Science Virtual Educators Conference: The Power of Middle School (<https://youtu.be/cziuBFsyZLY>)
- 2021 83rd ITEEA Annual Conference Speaker: Transformer: From Hands-on to Virtual
- 2021 Starting From Scratch with CodeTigers (<https://www.youtube.com/watch?v=l8zNNsqCoXI>)
- 2020 HackSIP (<https://aspireit.aspirations.org/programs/events/27283/hacksip>)
- 2019 STEM Into Spring (<https://stemimpressionists.wildapricot.org/news>)
- 2019 George Mason University/NovaLabs MakerFaire (<https://nova.makerfaire.com/>)
- 2018 Association for Career and Technical Education (ACTE) AT&T Forum (<https://cutt.ly/ACTE/>)
- 2018 George Mason University's Inaugural Global STEM Scholars Program (GSSP)
- 2018 George Mason University's STEM FOCUS Camp (<https://cos.gmu.edu/stem/outreach/focus-summer-camp/>)
- 2018 Jefferson Overseas Technology Institute (JOSTI): Hostess (<https://docplayer.net/325ml>)

### Seminars

- 2020 Hermela Assefa, College Talks: Claiming the Power of Your Story Seminar
- 2019 Chemistry, Astronomy, Physics, Engineering (CAPE) Science Workshop (<https://cutt.ly/xtrifZr>)
- 2019 Catholic University QuarkNet Physics Seminar (<https://quarknet.org/content/cms-and-cosmics-catholic>)
- 2019 Investigating the Contributions of Dr. Charles Drew (<https://tinyurl.com/v8j3nd>)
- 2019 STEM Impressionists Speaker Series
- 2019 KID Museum: Invent the Future (<https://kid-museum.org/programs/invent-the-future/>)
- 2018 EXPLO Conference (<https://www.explo.org/exploration/explo-at-vale/>)
- 2017-2018 Artificial Intelligence Conference (<http://aisummit.girlscomputingleague.org/>)
- 2017 Sasha Alton, author: *Sasha Loves to Code* ([pace.edu/news-release/nbc-washington-featured-lubin-student-sasha-alton](https://pace.edu/news-release/nbc-washington-featured-lubin-student-sasha-alton))
- 2016 Children's Science Museum Idea Generation Seminar (<https://tinyurl.com/sny5yv7>)

### Certifications

- 08/20: YMHA Mental Health First Aid (<https://www.mentalhealthfirstaid.org/population-focused-modules/youth/>)
- 07/20: Hermela Assefa, Building a Team: Identifying the Leaders Around You (<https://rb.gy/8zvljx>)
- 07/20: IBM AI Foundations for Educators (<https://www.mymindsparklearning.org/ibm-ai-education>)

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## Facilitation

- Beyond 1619* Virtual Student Seminar (<https://librarycalendar.fairfaxcounty.gov/event/6867350>)
  - Part 1 ~ Historical Impact: (<https://www.youtube.com/watch?v=fYsp7ZZZ-fI>)
  - Part 2 ~ Advocacy: (<https://www.youtube.com/watch?v=ze2Dgh-8bxw>)

## Competitions

- 2020 Girls Who Start Design Hackathon: “My Nourishment” App ([www.girls.org/2020-hackathon](http://www.girls.org/2020-hackathon))
- 2017-2018 Aerospace Corporation Annual Robert H. Herndon Science Competition ([RHSC](#))
  - 2018 41st: Essay - *Controlling Cyberspace* (<https://cutt.ly/TtlHaAl>)
  - 2017 40th: Essay - *Taking Action to Reduce Global Warming* (<https://cutt.ly/qtlHp9E>)

## Awards/Recognitions

- 2020 QuestBridge National College Match Finalist (<https://www.questbridge.org/high-school-students/national-college-match>)
- 2020 QuestBridge College Prep Scholar (<https://www.questbridge.org/high-school-students/college-prep-scholars>)
- 2019-2020 National Center of Women and Information Technology (NCWIT) Award Winner (<https://www.fcps.edu/news/woodson-hs-student-recognized-ncwit>)
  - 2020: Virginia Affiliate Honorable Mention (<https://cutt.ly/Xtxdn6C>)
  - 2019: National Certificate of Distinction
- 2019 SWENext DesignLab Community Engagement Challenge, Team Award for *STEM Into Spring* Elementary School proposal (<https://tinyurl.com/rthkhhv/>)

## Internships/Programs

- 2021: Jane Street's Unboxed Program (<https://www.janestreet.com/>)
- 2020: ASAPProject Precinct Liaison & Committee Member (<https://asapresources.wixsite.com/home>)
- 2019: Bright CS Camp Educator & Curriculum Designer (<https://cutt.ly/otzi9n>)
- 2018: Digital Marketing Communication Intern, iSchool for the Future (<http://ischoolforthefuture.org/>)

## Grants

- 2019 SWENext Community Engagement Grant
- 2018, 2019: \$1,000 Girls Computing.org

## Professional Activities

- 2018-2021: National Society of Black Engineers (NSBE): President

## Other Clubs

- Virginia Tech Newspaper: *Collegiate Times*, Assistant Lifestyles Editor
- Acakid Tutoring: Academic Tutor
- Woodson School Newspaper: *Cavalcade*, Editor in Chief
- Woodson Red Cross: Secretary
- Member: National Honor Society, Science National Honor Society

REFERENCES upon request