

CLARA DIMARCO

Raleigh, NC ✦ github.com/ClaraLeonora ✦ dgdimarc@ncsu.edu ✦ 980-384-4566 ✦ linkedin.com/in/claraleonora

EDUCATION

NC State University | B.S. in Computer Science | GPA: 3.73

May 2026

Grand Challenges in Engineering Scholar | STARS AI Scholar

B.S. in Mathematics | Magna Cum Laude

May 2022

SKILLS

Languages: Java, C, Python, JavaScript, HTML

Technical: React JS, Next JS, Tailwind CSS, Linux, Procreate, Excel

PROFESSIONAL EXPERIENCE

Teaching Assistant | NC State Introduction to Computing | Raleigh

August 2024 – December 2024

- Guided over 100 introductory Java programming students, offering feedback on lab assignments, algorithm development, and debugging.
- Conducted weekly office hours to deliver personalized support, boosting engagement and comprehension.

Undergraduate Researcher | SRCA REU Game2Learn Lab | Raleigh

May 2024 – August 2024

- Developed a research project to identify optimal GPT-4 logic proof generation techniques.
- Designed a novel prompt engineering technique, enhancing GPT-4's accuracy in generating logic proofs for classroom software.

Research Scientist | NASA Mission Concept Academy | Raleigh

May 2024 – August 2024

- Collaborated with an interdisciplinary team of engineering students to co-author a 199-page lunar surface Mission Design, targeting water-ice and volatile analysis in Lunar PSRs.
 - Formulated scientific mission objectives to effectively map mission requirements and instrumentation.
-

PROJECTS

Care Pack | Personal Project | NC State

August 2024 – Present

- Developing a responsive, cross-platform mobile application with Expo and React JS, integrating Clerk for robust authentication.
- Enhancing student well-being by offering an anonymous tool that centralizes access to on and off-campus resources.

Digital Garden | Self-Developed & Illustrated

December 2024

- Built with Next JS and styled using Tailwind CSS to create a modern design with hand-drawn illustrations designed in Procreate.
 - Featured custom animations and a responsive layout, ensuring optimal accessibility across devices.
-

LEADERSHIP

Treasurer & Fundraising Chair | Grand Challenges Student Organization | NC State

August 2024 – Present

- Organize and facilitate events and workshops to support the Grand Challenges Scholars Program.
- Oversee biannual fundraising initiatives, managing business partnerships, and engaging with students on campus.

STARS AI Scholar | STARS Computing Corp | NC State

December 2023 – Present

- Lead initiatives to engage K-12 students with disabilities, along with their families, to promote interest and accessibility in computing.
 - Organize and host an outreach event for an elementary school robotics club, encouraging interdisciplinary career exploration.
-