

# Keiyana White

*Dedicated and driven candidate with extensive hands-on clinical, research, and volunteer experience. Passionate about patient care, scientific discovery, and addressing health disparities. Eager to contribute to the medical field through a career in medicine and research.*

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## EDUCATION.....

**Georgia State University – Atlanta, Ga** **January 2025 – Present**  
*Master of Biological Sciences – Medical Science Concentration*

**Georgia Institute of Technology – Atlanta, Ga** **August 2021 – May 2024**  
*Bachelor of Biochemistry with High Honors – Pre-Health Track*  
*Minor in Health and Medical Sciences*  
*Certificate in Spanish*

**Southern Crescent Technical College– Griffin, Ga** **August 2018 – May 2019**  
*Technical Certificate of Credit in Criminal Justice Fundamentals & Forensic Science Fundamentals*

## PROFESSIONAL EXPERIENCE .....

**Piedmont Heart Institute – Atlanta, Ga** **January 2025 – Present**  
*Medical Assistant*

- Provided direct patient care, encompassing a wide range of medical tasks.
- Performed vital signs assessment and collected comprehensive patient histories.
- Conducted diagnostic procedures, including EKGs and phlebotomy.
- Coordinated patient care, ensuring seamless communication and service delivery.

**American Red Cross – Atlanta, Ga** **September 2024 – Present**  
*Blood Donor Ambassador Volunteer*

- Welcomed and assisted donors, ensuring a positive and comfortable donation experience.
- Managed check-in, verified donor information, and provided essential paperwork.
- Monitored donors post-donation, offering support and ensuring their well-being.
- Collaborated with Red Cross staff to maintain an organized and efficient donation process.

**Good Samaritan Health Clinic – Atlanta, Ga** **May 2023 – May 2024**  
*Intern Medical Assistant*

- Provided direct patient care, encompassing a wide range of medical tasks.
- Performed vital signs assessment and collected comprehensive patient histories.
- Conducted diagnostic procedures, including EKGs and phlebotomy.
- Coordinated patient care, ensuring seamless communication and service delivery.

**Butt’s County Coroner’s Office – Jackson, Ga** **February 2021 – July 2021**  
*Intern Coroner Assistant*

- Assisted in determining the cause, manner, and circumstances of death under the Georgia Death Investigation protocol.
- Captured crime scene photos, draft GBI reports, and maintain detailed decedent information files.
- Prepared decedent bodies for family viewings and provide emotional support to grieving family members.
- Collaborated with the Sheriff’s office to discuss the circumstances surrounding deaths.

## RESEARCH EXPERIENCE

### Georgia Institute of Technology – Atlanta, Ga

January 2023 – May 2024

Undergraduate Research Assistant, PI: Dr. Adegboyega Oyelere

- In my role, I designed and developed dual-acting therapeutics aimed at effectively treating Triple-negative breast cancer, addressing the aggressive nature of this cancer subtype. I utilized advanced techniques in organic synthesis, chemical biology, and bioinformatics to identify and optimize potential drug candidates. Through comprehensive research and experimentation, I gained a deep understanding of the molecular mechanisms and interactions involved in treatment efficacy.

### Georgia Institute of Technology – Atlanta, Ga

May 2022 – July 2022

Undergraduate Research Assistant, PI: Dr. M.G. Finn

- In my role, I assisted in the production and purification of virus-like particles (VLPs) for vaccine development, leveraging advanced techniques to ensure high-quality outputs. I utilized these VLPs in the creation of effective COVID-19 vaccines. To ensure optimal immune response, I evaluated vaccine efficacy using Enzyme-Linked Immunosorbent Assay (ELISA) techniques. Additionally, I collaborated with multidisciplinary teams to integrate findings and advance therapeutic development from the laboratory to clinical applications.

## PUBLICATIONS.....

- *“Heterologous Prime-Boost with Immunologically Orthogonal Protein Nanoparticles for Peptide Immunofocusing.”* Sonia Bhattacharya, Matthew C. Jenkins, Parisa Keshavarz-Joud, Alisyn Retos Bourque, **Keiyana White**, Amina M. Alvarez Barkane, Anton V. Bryksin, Carolina Hernandez, Mykhalio Kopylov, M.G.Finn. ACS Nano

## LEADERSHIP/AWARDS .....

- American Chemical Society (ACS) Scholar **August 2020 – May 2024**
- Dean’s List **August 2021 – May 2024**
- Bronze GT Tower’s Award **April 2023 & 2024**
- Bagwell Undergraduate Research Fellow **May 2022 – July 2022**
- GT Barcelona Fall Program **August 2022 – November 2022**

## SKILLS .....

- **Professional:** CPR/AED and First Aid through the American Heart Association
- **Clinical:** Patient Assessment, Vital Sign Monitoring, Phlebotomy, Laboratory Procedures, EKG/ECG, and Medication Administration and Documentation.
- **Instrumentation:** Titration, Thin-Layer Chromatography (TLC), Melting Point Analysis, Infrared Spectroscopy (IR), Nuclear Magnetic Resonance (NMR) Spectroscopy, and Acid-Base Extraction
- **Programming:** Basic Java
- **Concepts:** Analytical, Critical Thinking, Problem- Solving, Deductive Reasoning
- **Techniques:** Polymerase Chain Reaction (PCR), Gel Electrophoresis, Enzyme-Linked Immunosorbent Assay (ELISA), DNA Extraction, MTS Assay, Bradford Assay
- **Communications:** Presentation, Email, Public Speaking, Report Writing, and Training and Instruction
- **Language:** Spanish (Pre-Intermediate), English (Native Speaker)
- **Clubs:** GT NaturallyMe, Student Health Services Ambassadors, Student Hospital Connections, Passioknit, and Minority Association of Pre-medical Students.