

Kai Akinloye-Brown

Kaiakin6@uab.edu

<https://kakinbrown23.wixsite.com/website>

(205) 746-2135

EDUCATION

University of Alabama at Birmingham, School of Health Professions, Birmingham, AL Aug 2024

PhD in Biotechnology

- PhD Thesis: Developing a diagnostic device and business plan for opioid exposed neonates.
- Relevant Courses: Creating Biotechnology Venture, Developing a Commercialization Strategy, Biotechnology Regulatory and Quality Systems, Cellular and Molecular Biotechnology

Brown University, School of Engineering, Providence, RI Sep 2019 – May 2021

Master of Science in Biomedical Engineering

- Master's Thesis: Developed an automatic rocking wheelchair with music therapy to improve the comfort levels and decrease agitations for people with dementia, as they move towards their end of life
- Relevant Courses: Biomedical Engineering Design and Innovations, Biotechnology Science and Industry, Design Studio

Tuskegee University, School of Engineering, Tuskegee, AL Aug 2015 – May 2019

Bachelor of Science in Mechanical Engineering

Cumulative GPA: 3.6/4.0

- Capstone Project (2019): Designed improvements on the Lopifit Electronic Walking Bike, to add storage for the user
- Relevant Courses: Capstone Design, Computer-Aided Design (CAD), Mechanical Design, Calculus I/II/III, Strength of Materials, Dynamics, and Manufacturing Processes

Honors/Recognition

- Tuskegee University Deans List (2016-2019)
- Pi Tau Sigma Mechanical Engineering Honors Society (2018)
- Tuskegee University South Africa Service-Learning Scholarship Recipient (June 2017)
- Louis Stokes Alliances for Minority Participation Scholarship (2016)

EXPERIENCE

Amgen || **Process Engineer Temporary Work Assignment** || West Greenwich, RI Feb 2024 – June 2024

- Create and execute test plans for new and existing equipment
- Work with cross-functional teams to troubleshoot
- Create safe methods to determine the safest way that operators can use equipment
- Communicate with outside vendors during the design process

Amgen || **Manufacturing Associate** || West Greenwich, RI Oct 2021 – Aug 2024

- Execute downstream purification operations for monoclonal antibody products in a cGMP environment using a variety of systems (various Chromatography systems, Viral Inactivation, Viral Filtration, Chromatography Column Packing, Tangential Flow Filtration, Filter Integrity Testing)
- In-process sample analyses for endotoxins, protein concentration, pH, and conductivity
- Work with cross-functional teams to execute protocols, work orders, and test plans
- Revise Standard Operating Procedures and provide insight as an area subject matter expert
- Train peers on different operations and lab equipment
- Initiate and close-out nonconformance reports/deviations using Trackwise
- Utilize GxP Systems: Manufacturing Execution System, Delta-V, Laboratory Information Management System

RELEVANT SKILLS

Manufacturing, Computer Aided Design, Microsoft Excel, design, business development

MEMBERSHIPS AND AWARDS

- Alpha Kappa Alpha Sorority, Incorporated Oct 2018
- International Honors Society for Mechanical Engineering May 2018