

# Boston Blake

**Address:** Richmond, United States  
**Email address:** bablake@widener.edu




## Work Experience

 08/2023  
 CHESTER, PENNSYLVANIA, UNITED STATES  
**Laboratory Operations Manager**  
**Widener University**


## Education


 08/2023 – PRESENT  
**Mechanical Engineering | Bachelor's degree**  
**Widener University**

 08/2019 – 05/2023  
**Tompkins High School**

## Achievements

## Projects

 08/2024 – 02/2025  
**Researcher**  
**Optimization of 3D Printing Parameters for High-Performance PEEK Polymers: A Multiscale Analysis**  
Specialized in optimizing 3D printing parameters for high-performance polymer PEEK. Experienced in material characterization using AFM and mechanical testing to enhance surface quality and mechanical properties for engineering and biomedical applications.

 08/2023 – 05/2024  
**Researcher**  
**Optimization of 3D printing Parameters for PLA/PLA-CF Composites**  
Focused on analyzing mechanical properties of PLA and PLA-CF composites. Skilled in tensile and 3-point bending tests to evaluate strength, stiffness, and material performance. Investigated material ratios to optimize composite structures for improved durability and structural integrity.