Charlie Burnett

(410) 555-1234 | charlie.burnett@example.com | linkedin.com/in/charlieburnett | Baltimore, MD 21201

SUMMARY

Passionate graduate student specializing in Molecular Biology, adept at applying analytical techniques in laboratory settings. Experience includes substantial work with RNA extractions, PCR methodologies, and data management. Committed to enhancing public health initiatives through scientific research. Enjoy collaboration with peers and mentors, demonstrating a capacity for teamwork and effective problem-solving. Proven ability to thrive in fast-paced environments while maintaining rigorous attention to detail. Ready to leverage academic knowledge in a practical setting and contribute to meaningful research outcomes.

EDUCATION

Master of Science in Molecular Biology 2026

Johns Hopkins University GPA: 3.9 *Baltimore, MD*

Coursework: *Genetics, Microbiology, Virology, Bioinformatics*

TECHNICAL SKILLS

- **Molecular Biology Techniques:** PCR, RT-PCR, RNA Extraction
- **Data Management Systems:** ELIMS, Laboratory Information System
- **Safety Standards:** Laboratory Safety Practices, Hazardous Materials Handling
- **Statistical Software:** SPSS, R, Python
- **Communication Tools:** Microsoft Teams, Zoom, Slack
- **Project Management Tools:** Trello, Asana, Microsoft Planner
- **Public Health Methodologies:** Surveillance Techniques, Epidemiological Studies, Public Health Research
- **Chemical Reagents:** Buffers, Primers, Enzymes
- **Team Collaboration Platforms:** Google Drive, SharePoint, Basecamp
- **Quality Assurance Processes:** Protocol Development, Quality Control Checks, Procedural Compliance

SKILLS

- Molecular Biology
- RNA Extraction
- RT-PCR
- ELIMS
- Data Analysis
- Laboratory Management
- Team Collaboration
- Scientific Communication
- Reagent Preparation
- Public Health Research
- Logistical Support
- Sample Processing
- Procedure Compliance
- Statistical Analysis
- Technical Reporting
- Community Engagement

EXPERIENCE

Research Assistant

January 2025 - Present

University Research Lab *Baltimore, MD*

Support ongoing biological research projects focused on viral transmission and public health. Key responsibilities include executing complex laboratory procedures and ensuring data integrity in various analysis phases.

- Conducted RNA extractions and RT-PCR for COVID-19 studies, significantly increasing sample processing efficiency.
- Managed biological samples for compliance with labeling protocols in the ELIMS database, safeguarding data reliability.
- Prepared reagents while adhering to established safety guidelines, showcasing a strong understanding of laboratory best practices.
- Collaborated within a multidisciplinary team to analyze pooled respiratory samples critical to national health assessments.
- Created training materials for lab procedures, resulting in enhanced knowledge sharing and improved protocol adherence among staff.
- Regularly maintained laboratory equipment to ensure peak operational performance and compliance with safety standards.

Molecular Biology Intern

September 2024 - December 2024

Student Innovation Lab *Baltimore, MD*

Participated in advanced laboratory projects focused on innovative techniques in molecular biology. Gained practical experience in data entry and logistical support within research frameworks.

- Worked on capstone project regarding pooling techniques for viral transport media in epidemiological studies, contributing original solutions.
- Executed data management tasks efficiently, reducing error rates based on diligent quality checks in laboratory information systems.
- Facilitated logistical arrangements for sample operations, streamlining intersection points in multi-step processes for optimized results.
- Contributed proactively during team meetings, solving operational obstacles and fostering open communication across departments.
- Drafted standard operating procedures for lab methods, aligning closely with health directives to ensure adherence to regulations.
- Presented findings to faculty; received commendations for effectiveness in communicating complex scientific concepts.

Capstone Project Developer February 2024 - May 2024

University Project *Baltimore, MD*

Developed comprehensive topics on the impact of surveillance methodologies in public health contexts, particularly focusing on military populations. Applied robust analytical skills throughout.

- Crafted a detailed research proposal which mapped out objectives for evaluating SARS-CoV-2 impacts on health dynamics.
- Utilized statistical software for intricate data analysis, clarifying patterns relevant to viral behavior and community health guidance.
- Teamed with classmates to orchestrate experiments, underscoring essential group coordination and responsibility management.
- Documented and presented extensive research findings, praised for clarity and depth by peers and professors alike.
- Participated actively in peer reviews, providing constructive feedback and strengthening collaborative efforts.
- Engaged in critical ethical discussions surrounding public health implications, sharpening moral reasoning skills.

LEADERSHIP & AWARDS

- Dean's List, Johns Hopkins University, 2024
- Scholarship for Academic Excellence, 2023

CERTIFICATIONS

- CPR and First Aid Certified 2025
- Laboratory Safety Training Certification 2025

PROFESSIONAL AFFILIATIONS

- Member, Molecular Biology Society, 2024 – Present
- Volunteer, Community Health Outreach Program, 2025 – Present

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST