

# AUGUSTINA ASHIE

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## CAREER OBJECTIVE

Recent graduate with a Master in Biomedical Informatics that has proficiency in the statistical and genomic analysis of datasets. Experienced in processing large biomedical datasets with a focus on microbiology, genetics, and molecular biology. Results-oriented and eager to land a role where I can use my bioinformatics skills and biological knowledge to discover treatments to better the lives of people with acute and chronic illness.

## TECHNICAL SKILLS

- Programming & Data Analysis: R, Python, Unix/Linux command line, SQL/MySQL, LIMS, data visualization;
- Bioinformatic Tools: Next-generation sequencing (NGS) data analysis, statistical analysis, machine learning;
- Data quality assessment, ability to form & test hypotheses, and to spot confounding variables.

## GENERAL SKILLS

- Strong interpersonal and intrapersonal skills allowing for effective collaboration and time management skills.
- Proficient in Microsoft Word, Excel, PowerPoint, and Outlook.
- Proven ability to be efficient by using organization skills;
- Strong communication skills and can work effectively in a fast-paced environment.

## EDUCATION

### **Master of Biomedical Informatics, Biomedical Informatics**

**2024**

QUEEN'S UNIVERSITY

KINGSTON, ON

Computational Genomics Laboratory, Department of Biomedical and Molecular Science

- Project under the supervision of Dr. Qingling Duan: *Investigating the effects of maternal health status on the human milk microbiomes of mothers in the CHILD Cohort Study.*
  - Used high performance computing, R, and Linux programming to employ data analysis and genomic analysis techniques on large, complex datasets.
- Relevant coursework: Processing Biomedical Data, Biomedical Data Analysis, Data Mining & Applications, Applied Statistical Learning, Evolutionary Optimization.

### **Non-Degree Program**

**2019**

UNIVERSITY OF TORONTO MISSISSAUGA

MISSISSAUGA, ON

- Completed courses in Virology and Immunology.

### **Post-Graduate Diploma, Advanced Biotechnology**

**2019**

DURHAM COLLEGE

OSHAWA, ON

- Placement completed as Laboratory Assistant.
  - Used Microsoft Excel and employed analytical thinking, organization and data management skills to populate spreadsheets to order materials required for the microbiology laboratories.

### **Honours Bachelor of Science, Biology**

**2017**

WILFRID LAURIER UNIVERSITY

WATERLOO, ON

- Degree obtained with a concentration in cell, molecular & microbial biology, and genetics.
- Minors in Chemistry and French.

## **PROFESSIONAL EXPERIENCE**

### **Analyst I, Microbiology**

**2021 – 2023**

**BUREAU VERITAS**

MISSISSAUGA, ON

- Performed over 1000 daily enumeration analysis of bacteria in food, water, and environmental samples submitted by clients to ensure their products were CFIA-compliant.
- Tasks included following SOPs and government-approved methods for enumeration, species identification tests, and used LIMS to enter results for each test specified by clients.
- Recognized OOS results and reported them to the Team Lead. Adhered to quick TAT by effectively keeping up with daily deadlines for timely release of test results to clients.

### **Sample Logistics Technician**

**May 2021 – Dec 2021**

**BUREAU VERITAS** (formerly Maxxam Analytics)

MISSISSAUGA, ON

- Received, inspected, and used data entry skills to initiate sample preparation of low-risk and high-risk samples from +200 clients daily.
- Used LIMS software to log, update, create sample identification labels, and change sample information.
- Worked in a fast-paced environment while punctually relaying samples to lab analysts for testing.

### **Quality Control Intern**

**May 2019 – Aug 2019**

**VIATRIS** (formerly Mylan Inc.)

TORONTO, ON

- Completed a variety of assignments provided by the Quality Control Manager and QC team.
- Recreated and edited SOPs, reviewed some Change Controls for any potential errors, and analyzed FTIR results.
- Tracked and monitored inventory of samples in the laboratory using Lab Sample Tracker.
- Recognized for my ability to follow procedures and consistently support the QC team in all areas.