Alexander Tomas

BIOTECHNOLOGY / LABORATORY OPERATIONS

Oshawa, ON | (647) 230 8801 | Alexandertomas820@gmail.com

PROFESSIONAL PROFILE

Biotechnology student and Chemical Lab Technician Assistant with experience supporting laboratory preparation, chemical organization, and safety documentation. Trained in microbiology and quantitative analysis, with additional strengths in shift leadership, problem-solving, and teamwork.

EDUCATION

Durham College, Oshawa, ON | Biotechnology studies | 2024 - Present

Academic laboratory training in media preparation, sterilization, aseptic handling, solution preparation, and quantitative analysis.

LABORATORY & TECHNICAL SKILLS

- **Safety & quality:** WHMIS, SDS interpretation, chemical handling, waste segregation, SOP adherence, laboratory records, and data traceability.
- **Sample preparation:** Accurate weighing, pipetting, volumetric preparation, serial dilutions, standards, reagents, and contamination prevention.
- **Analytical methods:** UV-Vis spectrophotometry, atomic absorption spectroscopy (AAS), gas chromatography (GC), and acid-base, redox, and EDTA titrations.
- **Data analysis:** Calibration curves, blanks and controls, accuracy and precision assessment, and Microsoft Excel calculations, graphs, and regression.

PROFESSIONAL EXPERIENCE

Chemical Lab Technician Assistant | Durham College, Oshawa, ON

- Support chemical organization and storage, inspect WHMIS labels, and review and update Safety Data Sheets (SDS).
- Prepare laboratory carts and materials for teaching activities; maintain safe, organized work and storage areas while following SOPs.

Shift Leader | Tim Hortons, Oshawa, ON | 2020 - Present

- Coordinate shift operations and delegate responsibilities to maintain organized, efficient service.
- Lead and communicate with team members under pressure; resolve operational concerns and maintain cleanliness, quality, and safety standards.

General Labourer | Tribute Communities, Pickering, ON | 2023 - 2024

- Handled and prepared materials and supported skilled trades in an active construction environment.
- Followed tool and material safety procedures and maintained clean, organized work areas.

CERTIFICATIONS

Operator in Training Certificate | WHMIS certification and CLP | Biosafety (Level 1 & 2) certificate

CAMPUS INVOLVEMENT

Durham College Biotechnology program community member; participant in Student Research and Innovation Days; volunteer in surface-water sampling with O'Neil CVI students.