BIOCHEMISTRY—RÉSUMÉ SAMPLE

Student Name
Address, City, Province, Country, (555) 555-5555, email@email.com

HIGHLIGHTS OF QUALIFICATIONS

- Embrace diversity, teamworking and collaboration
- Demonstrate ingenuity and innovation when solving problems
- Fast learner by integrating the new skills into daily routines
- Five years of experience in laboratory settings in research and industry
- Excellent sense of direction and valid class 5 drivers' license
- Proficient at Microsoft Office Word, Excel, and PowerPoint
- Accurate in online/ offline monitoring of bacterial species, gram staining, silver staining and aseptic techniques
- Excellent at public speaking

EDUCATION

University of Victoria, Victoria, B.C. May 220XX
Bachelor of Science, Biochemistry; GPA: X/9.0

College, City, Province May 20XX
Bachelor of Science, Art & Science

SCIENCE EXPERIENCE

Research Assistant, City, Country
Lab - University Name

- Designed and tested 3D printed molds for microfluidic devices and wafers
- Designed experiments to test the accuracy of new devices such as the thermocouple needle
- Improved analytical chemistry techniques by optimizing parameters of plasma oven Trained new undergraduates on how to operate the machines, e.g. spin coater

Intern, City, Country
University Name

- Developed Bicomponent Fibers for Biodiesel Filtration
- Characterization of Aerobic Co-Cultures
- Developed problem-solving skills by hands-on experience to repair machines and working independently Improved analytical techniques by ranging the parameters on the melt spinning plant for optimization
- Improved scientific and strategic thinking by characterizing co-cultures using online and offline signal collection Further developed research planning by scheduling projects to meet deadlines
- Improved intercultural communication by collaborating with colleagues from diverse cultures
- Excelled public speaking with PowerPoint presentations of the research

Biochemistry and Math Tutor, City, Province
High School, Sept. 20XX–April 20XX

- Assisted high school students on a one-to-one basis with basic math, calculus and science
- Tutored university students in protein purification methods and general 300 level biochemistry

SPECIAL SKILLS AND LABORATORY TECHNIQUES

Biochemistry skills: enzyme specificity, characterization of LPS structure on an SDS-PAGE gel, invasion assay using human epithelial cells, transposition mutagenesis via mini-kan transposon

Molecular biology skills: designing PCR primers for the fusion of DNA fragments, insertion/ removal of DNA fragment, site-directed mutagenesis, chemical transformation of prokaryotic cells, cDNA synthesis

Cell biology skills: replica plating, sterile techniques, direct counting method using hemocytometer, cryogenic preparation, viability assay using yeast cells, blood fractionation, mitochondrial isolation and assay of SDH using DCIP, phagocytosis and vacuole formation, dissections of rat, quail, perch, and starfish

Microbiology skills: microscopy, gram staining, media preparation, streak plate, spread plate, bacterial identification based on colony morphology, serial dilution, calculation of CFU/ml, optical density and standard curve, water analysis for coliforms by membrane filtration method and most probable number, nitrate reduction test, reviving freeze-dried stocks of bacteria

Chemistry skills: titration, TLC, stereochemistry, hypothetical synthesis of compounds; 1H NMR, proton decoupled/ proton-coupled of 13C, 14N, 31P, 207Pb NMR, DEPT-135, COSY, NOESY, HMQC, HMBC, magnetic inequivalence, UV/Vis spectroscopy, mass spectroscopy.

Computer skills: Ultimaker Cura, MakerBot Print, Tinkercad, Pymol, R commander, PubMed, bioinformatics programs

Certification: WHMIS, Laboratory safety for lab workers, class 7 driver's license (N), Food Safe Level 1