Peter Levett

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🌐 https://stavromularbeta.github.io/

B.Sc graduate from the University of Victoria in Chemistry and Earth & Ocean Science. Laboratory Analyst at MB Laboratories. Competent, quick, organized, and safety oriented in the Chemistry lab. Able to fully utilize computers and data handling software to effectively operate in a modern laboratory setting.

Laboratory Analyst, MB Laboratories Ltd. (April 2019-Present)

- **Bench Chemistry:** Basic organic extraction techniques. Production of buffers, mobile phases, standards and calibration curves using a variety of glassware and micropipettes. Using QUECHERS methods for multi-residue trace analysis methods.

- **Instrumental Analysis:** Using Waters Masslynx and Targetlynx software to run and process UPLC-UV and UPLC-MS/MS samples. Setting up Waters Masslynx software and instruments on new computers. Maintaining the performance and hardware of UPLC-UV instruments, and helping with maintenance of UPLC-MS/MS instruments.

- **Other Lab Duties:** Using excel to track chemical, equipment, and consumables inventories. Writing sample preparation, extraction, and reporting SOP's. Training of new analysts and CO-OP students. Standards and calibration curve production and tracking.

- **Software Development:** Ongoing development of a LIMS system that tracks laboratory samples and clients, and combines customer information and exported data from TargetLynx into professionally typeset lab reports. The system can also convert reports into flat files for uploading to a 3rd party web client (WaterTrax), and convert multiple data formats exported from instruments into one universal XML format. Written using Python, LaTeX, and SQL.

Research Experience

B.C. Cannabis Secretariat   **Victoria, B.C.**
Testing finds contaminants in illegal cannabis - Pilot Study   *February 2020*

Took on a major role (via MB Laboratories) in pilot study run by B.C. Cannabis Secretariat to test for contamination in cannabis samples seized from illicit dispensaries in Vancouver, B.C.
[https://news.gov.bc.ca/releases/2021PSSG0050-001115]

Hore Surface Chemistry Research Group   **Victoria, B.C.**
Research Assistant   *Dec 2014 – Sept 2015 & Oct 2016 - April 2017*

Created a Python library to interact with a liquids handling robot (a symbiot workstation) in order to increase throughput of surface chemistry experiments. The workstation and library has been used by graduate students in the Hore group.

UVic Climate Modelling Group   **Victoria, B.C.**
Research Assistant   *May - Aug 2014*

Researched and began development of a quality control network for the Vancouver Island School Based Weather Network. Developed methods that detected partially blocked rain gauges, and methods that compared individual station data to neighboring stations for irregularities.

Education

○ **University of Victoria**   **Victoria, B.C.**
Bachelor of Science , Chemistry and Earth & Ocean Science   *Graduated 2017*

Awards

○ University of Victoria Entrance Scholarship
○ USRA NSERC Research Grant

Laboratory Skills

○ **General:** General good laboratory practice, correct handling of laboratory equipment and glassware, and knowledge of basic bench chemistry techniques. High level of laboratory safety training and knowledge on the correct use of WHMIS and MSDS sheets. Able to handle large volumes of samples quickly and accurately. Working with highly concentrated acids, bases, and other toxic chemicals routinely.

○ **Instruments:** University laboratory experience with FAAS, Fluorimetry, Gas Chromatography, Ion Chromatography, HPLC, CE, and GFAAS. Daily work experience with UPLC-UV and UPLC-MS/MS as a laboratory analyst - preparing and running samples, processing data, maintaining and operating instruments.

○ **Spectroscopy:** Understanding of IR, NMR, Mass Spectroscopy, and Visible/Ultraviolet Spectroscopy.

○ **Techniques:** Liquid-liquid extractions, titrations, crystallizations and recrystallizations of product, distillation, separation using chromatography (column,thin plate, gas), refluxing, filtration, and other general or one-off laboratory techinques. Working focus on simple organic extractions and QUECHERS organics extractions.

○ **Data Analysis:** Using Waters Masslynx and Targetlynx for data analysis. Exporting data in .csv and .xml format for further processing and reporting using excel and custom python programs. Tracking standards expiry using control charts in excel.

Technical and Personal skills

○ **Programming Languages:** Intermediate Experience with Python, SQL, LaTeX. Experience with HTML, CSS, PHP, Javascript, MATLAB, and R. Experience with C# and Unity.

○ **Other:** Comfortable with public speaking and communicating with people. Very neat and organized. Very proficient with the Microsoft Office suite. Useful as an ad-hoc IT person.

Other Work Experience

○ **Owner and Software Developer**   **Victoria, B.C.**
Thorough Games   *October 2020 - Present*

○ **Delivery Driver and Personal Shopper**   **Victoria, B.C.**
Pepper's Foods   *June 2017 – April 2019*

○ **Line Cook**   **Victoria, B.C.**
Smuggler's Cove Pub   *June 2018 – April 2020*

○ **Customer Service**   **Vancouver & Victoria, B.C.**
Sears Garden Shop, Northview Golf Club, Canadian Tire, McDonald's   *Sept 2007 - Oct. 2016*