

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 Technician, MB Labs (April 2019-Present)

- **Extraction Techniques:** Extracting sediment, cannabis, and cannabis derivatives for pesticide analysis using HPLC-MS/MS. Extracting cannabis and cannabis derivatives for potency analysis using HPLC-UV. Using various standard methods and colorimetric procedures for analysis of novel samples.
- **Software Development:** Developed a database for tracking cannabis samples using python libraries `tkinter` and `sqlite3`. Developed automated software using `tkinter`, `pandas`, and \LaTeX that combines customer information and exported analytical data from TargetLyx into professionally typeset lab reports.
- **Sample Processing:** Accurately logging, processing, and setting up samples for analysis. Labelling and sub-sampling for long term storage. Using Waters Masslynx and Targetlynx software to run and process UPLC-UV samples.
- **Auxiliary Duties:** Using excel to track chemical and equipment inventory. Writing SOP's for cannabis sample preparation. Using a LabJack T4 and LabJack temperature probes to create a temperature monitoring station. Maintenance of Waters hardware involved in UPLC/UV analysis.

Research Experience

- **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. Developed software written in Python, PHP, SQL, HTML5, and CSS.

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:** Good laboratory practice - correct techniques, appropriate use of glassware, keeping a clean and orderly working environment. 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.
- **Instruments:** FAAS, Fluorimetry, Gas Chromatography, Ion Chromatography, HPLC, CE, and GFAAS (University Laboratory Experience). Working experience preparing samples for analysis on HPLC-UV and HPLC-MS/MS.
- **Spectroscopy:** 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 techniques.
- **Data Analysis:** Tracking and plotting data in excel. Using calibration curves to determine analyte concentrations. Use of blanks, spikes, and a QC to gauge accuracy and precision of results. Statistical reporting - ANOVA analysis, % errors. Cost analysis of experimental procedures. Maintaining chemical and equipment inventories in excel.

Technical and Personal skills

- **Programming Languages:** Intermediate Experience with Python, SQL, \LaTeX . Experience with HTML, CSS, PHP, Javascript, MATLAB, and R.
- **Other:** Comfortable with public speaking and communicating with people. Very neat and organized. Very proficient with the Microsoft Office suite.

Other Work Experience

- **Delivery Driver and Personal Shopper**
Pepper's Foods **Victoria, B.C.**
June 2017 – April 2019
- **Line Cook**
Smuggler's Cove Pub **Victoria, B.C.**
June 2018 – Present
- **Customer Service**
Sears Garden Shop, Northview Golf Club, Canadian Tire, McDonald's **Vancouver & Victoria, B.C.**
Sept 2007 - Oct. 2016

Extra-Curricular Activities

- I enjoy playing soccer, I played at UVic in the intramural leagues and also in the VISL. I frequently hike and camp around the local area, and in Strathcona Provincial Park. I have hiked the West Coast trail, and try to visit the Juan de Fuca trail several times a year. I also like to golf.
- I am interested in software development. I taught myself to code while working as a Research Assistant at the UVic Climate Modelling Group. I wrote some grocery delivery software at previous job, using python modules Tkinter and SQLite. I've made a sample tracking database and an automated report writing method using python and various python libraries since I've started working at MB Labs.