Ravi Vadlamani

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Undergraduate biology student with an experience in industry looking for research opportunities to expand horizons and find a niche. Exceptional laboratory performance combined with a statistical analysis toolset is ideal for research aid.

Technical Skills: Laboratory training | Industrial practices and safety | C, C++ & Python | Statistical Analysis in R

Relevant Courses / Interests:

Relevant Experience	**Assistant Chemist and Process Engineering Intern,** *Siltech Corporation* Summer 2013 and Summer 2014 ● Improved product yield by X% for a specific Silicone MQ resin by optimizing the manufacturing process via research and experimentation ● Decreased cost by X% and increased speed by Y% for a batch reaction by performing statistical analysis to find and eliminate the slowest step ● Developed and automated forecasting reports on determining reactor capacity utilization to allocate plant expenses per reactor ● Created and consolidated databases for the new Preventative Maintenance (PM) system of the plant ● Assisted in the startup of a newly installed reactor vessel by performing various tasks such as: Creating a calibration profile of the reactor vessel; Startup of the hydraulic system; Automation of the controls through Delta-V system **Production Manager,** *Calmia Medical* Summer 2012 ● Manufactured glass capillaries used in Capillary Surfactometer for pulmonary research ● QA & QC of the final product ● Sorted, sealed and packaged product for shipment ● Troubleshooting the components of the process to ensure continuous production
Other Experience	**Visual Merchandiser,** *Dollarama* (Seasonal 2017-19) ● Maximized sales by designing and displaying products on the retail floor ● Improved overall productivity and efficiency via receiving and inventory management **Server,** *Aroma Espresso Bar* (Summer 2015-16) ● Worked under pressure to keep up with the fast paced environment ● Exceeded target goals by being adaptable and fulfilling multiple roles ● Hygienic practices in accordance with the food safety standards of Ontario
Education	**Ryerson University - Biology: BSc (Hons) 2017-21**