**Ravi Patel**

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Motivated and highly dedicated Master of Environmental Science graduate, blended academic and professional experience applying scientific principles within the private and government industry. Demonstrates hands-on technical skills while implementing knowledge of: environmental contaminated sites, environmental assessment, project management, and environmental compliance. Offers a solid understanding of environmental remedial work and project management. I excel in dynamic, fast-paced roles, with a strong grasp of teamwork, design elements and scientific analysis. Collaborates and coordinates well with team members, communicating overarching goals and rectifying operational issues using problem-solving and conflict management strengths to ensure timely deliverables.

**Areas of Expertise**

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| Environmental Contaminated Sites  Groundwater Monitoring  Environmental Site Assessment  Environmental Compliance  Spill Response  Hazardous and Waste Management | Regulatory Programs  Analytical Thinking  Site Investigative Work  Storage Tank Systems  Evaluation of Remedial Strategies  Project Management | Field Work: Water/Soil Sampling  Microsoft Office (Word, Excel, PP)  Detail Oriented  Multi-tasker  Consulting  Strong Interpersonal Skills |

**Education**

**Master of Environmental Science| University of Toronto 2017**

**Courses:** Advanced Seminar in Environmental Science, Global Environmental Security and Sustainable Development, Environmental Project Management, Contaminated Site Remediation, Hydrology and Watershed Management, Environmental Change and Human Health, Environmental Legislation and Policy

**Bachelor of Science |University of Toronto 2016**

Major in Molecular Biology& Immunology and Disease

Major in Environmental Science

**Professional Experience**

**Special Project Officer July 2017 – March 2018**

**Department of National Defence**

* Provided expert advice and guidance to project managers and senior management regarding environmental risk assessment, legislation and guidelines
* Provided oversight of contractors including drillers, and utility locators including overseeing advancement of soil and rock borings, installation of groundwater monitoring wells, soil excavation projects
* Prepared and contributed to technical reports related to site monitoring and phase progress, including, but not limited to: Phase I and II site investigations, Storage Tank Systems, and evaluations of remediation strategies
* Provided direction and support communication to various groups, such as: public servants, contractors, consultants and military members by applying course learnings from Hazardous Materials Reference Application (HMRA), Unit Environmental Officers (UEnvOs), Unit Hazardous Materials Officers (UHMOs) and Basic Spill Response course
* Strong experience working on environmental management programs such as Federal Contaminated Sites under Federal Contaminated Sites Action Plan (FCSAP) 10-step framework, Federal Environmental Assessments, Hazardous and Waste Management and Water Licence Management
* High arctic scientific research experience (CFS Alert, Nunavut) working with the National Research Council Canada (NRCC) members to study the capabilities of hydrocarbon biodegradation in high arctic environments
* Experience managing environmental projects by managing scope of work, budgets, and project timelines

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**Professional Experience Continued**

**Teaching Assistant January 2017**

**University of Toronto**

* Provided training in critical reading, facilitated the process of composing academic forms of writing within various modes and genres, and aided students in computer literacy, oral presentation skills, and reference formatting
* Improved student participation through integration of creative role-playing exercises and discussion sessions
* Collaborated with a team of faculty at weekly meeting and actively contributed new ideas on teaching
* Consistently received positive evaluations from professors and students

**Research Assistant 2016**

**University of Toronto**

* Contributed to Master and PhD level research at the University of Toronto Scarborough, focusing on plant eco-physiology, plant-soil interactions, and sustainable agriculture
* Worked independently to prepare tissue samples for leaf and root chemical trait analysis, including carbon and nitrogen concentrations that resulted in research being conducted on time
* Maintained accurate records of sample processing progress, which specifically entailed cataloguing records for over 500 individual leaf samples

***Project Highlights***

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| **Media Response Lines for DND Base Commander, 2018** |
| **Description:** Create media response lines for base commanders regarding environmental issues |
| **Team:** 5 professionals |
| **Deliverables:** Created media response lines on behalf of 8 wing environment summarizing the ongoing environmental work and projects. Consulted with consultants and other clients to create the report. |
| **High Arctic Scientific Hydrocarbon Degradation Research, 2017** |
| **Description:** Assess the potential degradation of hydrocarbons at Alert, Nunavut |
| **Team:** 8 Personnel combined from DND and National Research Council Canada (NRCC) |
| **Deliverables:** Conducted field work in Alert, Nunavut to collect water and soil samples to assess the potential degradation patterns of the arctic microorganisms |
| **Water Board Licence Renewal, 2017-2018** |
| **Description:** To prepare water board licence renewal for Alert and Eureka, Canada on behalf of DND |
| **Team:** 4 Personnel from DND |
| **Deliverables:** Generated a water board licence renewal report on behalf of DND highlighting inputs and outputs of the water flow. Recommended sampling points to ensure environmental compliance and quality checks. |
| **Litigation of Indigenous Rights in Canada, 2017** |
| **Description:** Analyze and critique historical indigenous cases regarding environmental complexities |
| **Team:** 1 Person |
| **Deliverables:** Created a peer review scientific report discussing and reviewing the complications and highlighting the litigation indigenous rights. |

Awards & Training

***Unit Environment Officer Training, 2018***

***DND 404 Driver’s Licence, 2017***

***Basic Spill Response Training, 2017***

***Valid G Driver’s Licence and access to personal vehicle***

***~ References Available on Request ~***