

# ANCEL FERNANDES

4340 LEE DR. • MISSISSAUGA, ONTARIO • L4W 4A8  
PHONE (905) 281-0965 • E-MAIL FERNANDES.ANCEL@GMAIL.COM

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## Career Objective

To become a contributing member within the water/wastewater industry, where I can utilize my skills, knowledge and experience and foster my professional development.

## Education

*Carleton University* Ottawa, ON  
**Bachelors Degree in Engineering (B.Eng)** May, 2011

- Environmental Engineering

*Humber Institute of Technology and Advanced Learning* Toronto, ON  
**Diploma in Architectural Technology** April, 2006

- Honour roll status
- Elected student representative for Facility Planning program

*Philip Pocock Secondary School* Mississauga, ON  
**Ontario Secondary School Diploma** June, 2003

## Qualifications

### *Software Programs*

- AutoCAD, IntelliCAD, Architectural Desktop, Matlab, C++, EPANET (water distribution modeling), SPSS (statistical modeling), MODFLOW (groundwater flow modeling), POLLUTE (contaminant transport modeling)
- CAD (Computer-Aided Drafting) certification
- Proficient in Microsoft Office Suite

### *Laboratory/Technical Experience*

- Performed air pollution and emissions testing
- Collection and analysis of water samples
- Background in water/wastewater treatment processes
- Gained knowledge of phase 1 and phase 2 environmental site assessments
- Designed remediation process for a jet fuel contaminated site during fourth year design project and successfully managed a team of 3 individuals.
- Performed CAD design, construction and presentation drawings
- Familiar with construction contracts and reading and writing specifications

## Professional Profile

- Effective problem solving and critical thinking skills
- Possess strong technical writing aptitude
- Organized and detail oriented
- Excellent teamwork and communication abilities
- Self-motivated and goal driven

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## Work Experience

### ***Canadian Transportation Agency***

Gatineau, QC

Environmental Assessment Trainee

November - December 2010

- Applied the Canadian Transportation Act (CTA) to resolve concerns regarding railway development
- Assisted in the analysis of rail development projects to determine whether an environmental assessment was required in accordance to the CTA
- Prepared reports for environmental assessment officers
- Used case history data base to locate and compare related issues

### ***Port Dalhousie Wastewater Treatment Plant***

Niagara Region, ON

Water & Wastewater Assistant

May - August 2010

- Involved with optimization of dechlorination treatment process at wastewater plant  
- Project lead to operational reduction of dechlorination chemicals and cost savings
- Sampled, tested and reported on Alkalinity and Volatile Fatty Acids (VFAs) on digester sludge
- Gathered and analyzed E.Coli data treated with UV and Peracetic acid treatments
- Reviewed coagulants used at plant to generate reports which recommended the most efficient and cost effective treatments
- Communicated regularly with project managers, engineers, contractors and operations staff to ensure the requirements of the project are clearly understood and delivered to plan
- Conducted progress and safety meetings with manager and operations staff

### ***Astrazeneca***

Mississauga, ON

Assistant to Facility Manager

May - August 2009

- Conducted weekly maintenance on facility Heating Ventilation and Air Conditioning (HVAC) systems to ensure building systems were always functioning optimally
- Performed weekly chemical tests on boiler water
- Carried out building pest-control assessments
- Implemented environment friendly initiatives such as installation of energy saving lights

### ***CB Richard Ellis Management Services***

Toronto, ON

Services Help Desk Representative

May 2005- August 2006

- Received and processed service calls from bank retail branches and corporate offices
- Liaison between customers and facility managers and field technicians
- Created, processed and dispatched work orders to service vendors and trades people
- Gathered customer details and complaint in order to assess their issue and resolve accordingly

## Community Involvement & Interests

- Engineers Without Borders - Carleton University Chapter
- International Facility Managers Association (IFMA) Toronto Chapter
- Water Environment Association of Ontario (WEAO) student member
- Habitat for Humanity Volunteer
- Ontario Water Works Associations (OWWA) student member
- OXFAM, Famine Relief Organization - Carleton University Chapter
- Intramural Soccer and Basketball