

DANIELLE KHOURY

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OBJECTIVE

Chemical Engineering student, graduating in May 2011, seeking a full time engineering position in a functional area such manufacturing, quality assurance, or supply chain

EDUCATION

Bachelor of Engineering, Chemical Engineering May 2011
McGill University, Montreal, Quebec

SKILLS

Languages: Fluent in French & English

Programming Languages: C, Fortran, LabVIEW

Science and Engineering Software: Aspen HYSYS, MATLAB, Polymath, AutoCAD

Productivity Software: MS Office (Word, Excel, PowerPoint, Outlook), MS Publisher, MS SharePoint

Lab instruments: Inductively Coupled Plasma Optical Emission Spectrometer, Ion Chromatographer, Total Carbon Content Analyzer, UV-Visible Spectrometer and Gas Chromatography-Mass Spectroscopy

ENGINEERING EXPERIENCE

Intern May – August 2010
Novartis Canada, Laval, Quebec

- Assisted in the engineering of an activated sludge pharmaceutical wastewater treatment plant
- Led a group of 5 interns assigned to the project; scheduled meetings, delegated tasks, and set deadlines
- Supported senior decision makers by preparing and circulating progress reports
- Effectively worked in a corporate workplace, independently and in groups

Research Assistant May – August 2009
McGill University Nanotechnology Laboratory, Montreal, Quebec

- Modernized a technique for applying coatings on carbon nanotubes to enhance their strength
- Assembled experimental system (set up energy source, performed leak and pressure testing, carried out magnetism study), conducted tests on carbon nanotubes, and analyzed samples

PROJECTS

Engineering Design Project Consultant September 2010 – April 2011
GENIVAR/McGill University, Montreal, Quebec

- Team design project to develop a production process for Polyvinyl Chloride (PVC)
- Constructed process flow sheets (PFD, P&ID) and provided technology selection and description
- Performed energy and material balances, environmental evaluation and economic analysis
- Prepared a technical report and acted as team spokesperson during oral presentations

Reactive Blending to Produce Rubber-Toughened Nylon September 2009 – April 2010

- Led a team of four in brainstorming and implementing a method to determine the optimal maleic anhydride content of a rubber-toughened nylon polymer
- Developed a faster procedure which yielded 50% purer product by using twin-screw extruder and hot press

ACTIVITIES

- **Fundraising Coordinator** Engineers Without Borders, McGill Chapter 2010 – 2011
- **Volunteer** McGill Techfair Fall 2007