

Daniel Vaandrager

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Engineering Co-op Program
University of Alberta

Academic and Co-op Status

Mechanical Engineering, BSc, 2011 (Cooperative Program)
Cumulative Grade Point Average 3.3/4.0
Completed Academic Terms 6 of 8
Completed Co-op Work Terms 3 of 5
Length of Next Work Term 4 or 8 months

Educational Achievements

- University of Alberta Undergraduate Scholarship, 2008
- University of Alberta Entrance Scholarship, 2006
- BC Passport to Education, 2006

Work Experience

University of Alberta Mechanical Engineering Department May-August 2009
Research Assistant

- performed tests on experimental engine
- connected data acquisition equipment to computer
- optimized data acquisition program
- calibrated sensors to ensure accurate measurements

North American Construction Group, Fort McMurray, AB May-December 2008
Student Engineer

- entered haul truck data into a computer database
- tracked production of various mine equipment
- analyzed trends in haul truck and loading unit production
- completed as-built drawings
- prepared weekly progress reports
- assisted the foremen to understand drawings
- worked with minimal supervision to complete various tasks in the time required

Lavender Farms Ltd, Abbotsford, BC May – August 2007
Labourer January 2005 – August 2006

- performed general farm duties and construction on my uncle's family farm
- operated and maintained heavy machinery such as tractors and implements
- repaired machinery on site as necessary
- prepared daily feed rations and fed them ('07)
- milked cows on a daily basis ('05-'06)
- involved in physically demanding labour in all weather conditions
- prepared forms and rebar and poured concrete
- fabricated gates and other small projects

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Vaandrager Nurseries Ltd, Abbotsford, BC
Labourer

May – August 2007
1995 – August 2006

- performed general greenhouse duties and deliveries at my father's greenhouse
- operated and maintained light machinery such as small tractors
- delivered flowers with a 5-ton truck 3 times per week
- constructed greenhouse frames

Mechanical Experience

- Formula SAE 2010 Project Leader
- Fabrication Team leader for Formula SAE 2009
- member of Fabrication Team for Formula SAE 2007 and 2008
- completed an introduction to manual machining course
- member of High School Drag Racing team
 - team won NHRA Division 6 Nationals in Medford, OR, 2006
- BC Auto Skills Competition 3rd place, 2006
- received top honors in high school mechanics

Additional Information

Computer Experience

- competent with IBM-based PCs
- knowledge of Microsoft Word, PowerPoint, and Excel
- experienced with Pro/ENGINEER, Solidworks, and AutoCAD
- able to program Visual Basic and Visual C++

Volunteer Activities

- traveled to Mexico to build a church and house, April '03, '04, '05, '06

Hobbies

- restored a 1979 Malibu, including engine overhaul and bodywork
- fly-fishing, camping, and quading in the great outdoors
- welding

Other

- have Class 5 driver's license with clean driver's abstract
- completed a defensive driving course
- OSSA and CSTS certification
- Confined space entry and monitor certification
- Canoe/portaged the Bowron Lakes chain (120km loop in central BC) in 6 days

References Available Upon Request