




ADAM GABOURY

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Adam Gaboury 



OBJECTIVE

A post-graduate job, where I can use my extensive engineering experience to help the company achieve its goal of excellence in the field. As a personable engineer who communicates effectively, I also offer a high level of proficiency in Siemens NX, Openwind, Windographer, AutoCAD and AutoCAD.NET/C# programming. My experience as an intern at ENGIE and as a summer student at the Durham District School Board makes me an invaluable candidate.



EXPERIENCE

BIM/CAD Technologist | Grounded Engineering Inc.

DECEMBER 2020 – PRESENT

Developed and created AutoCAD .NET applications for the Drafting Team. Complex tools were created via C# which automate tedious tasks in AutoCAD.

Some of the applications I developed include Window Form Applications which sort a catalog of I beam types and generate polyline/block entities representing that item in AutoCAD. Other functions created include a slope gradient polyline generator and automatic annotation editors etc. Custom user interfaces in AutoCAD were also developed.

Other tasks include creating BIM/CAD drawings for Underground Shoring, Slope Stability and Geotechnical projects across the Greater Toronto Area.

Business Development Intern | ENGIE Canada Inc.

16 MONTHS - MAY 2018 – AUGUST 2019

Assisted the business development team in developing greenfield and brownfield renewable energy projects in Canada with a concentration on greenfield projects in Saskatchewan and at Canadian mine sites.

I worked extensively with the wind resource assessment software Windographer and the wind farm design and optimization software Openwind. Worked alongside a senior meteorologist (Ph.D., Atmospheric Science/Wind Energy) who assisted me with wind resource assessment work and turbine layout optimization for preliminary project setups.

Secondary tasks included met tower monitoring, research work and legal administrative work.

Researched renewable energy related topics such as future transmission line routes, greenhouse gas emission regulations, potential private electricity customers and future prospecting sites for renewable energy development.

Communicated results and research to superiors via reports and/or meetings.

Junior Programmer | Builterra

3 MONTH CONTRACT – AUGUST 2020 – NOVEMBER 2020

Developed and created AutoCAD. NET applications for the civil engineering sector using C#. I automated tedious tasks in AutoCAD and created user-friendly form interfaces using Windows Forms.

Some of the applications I developed include path array tools which would generate complex object configurations along a user defined path, a custom toolbar which generates multiple cross section configurations for subsurface utilities and user selection tools which would dynamically update block attributes etc.

Other skills that I developed include deserializing JSON arrays, web request coding and configuring custom user interfaces in AutoCAD.

Summer Student (AutoCAD Development) | Durham District School Board

SUMMERS 2015, 2016, 2017

Consulted with principals, architects, contractors and project managers to develop new school project designs.

Updated school blueprints; included detailed blueprints of millwork, gym floor layouts, playgrounds, electrical layouts, fire safety equipment layouts, etc.

Chaired meetings gathering business partner requirements.

Informal leader of other summer students.

Intern | Micro Interface Design

SUMMER 2014

Worked alongside an engineer who designed injection pumps for plastic mold tinting, headlamps for mining helmets, controls for hospital lifts and other innovative products; learned the basics of C++ programming through Arduino and learned how to operate Rhino 3D CAD software

Guitar Teacher | My Music Center

2014 - 2015

Taught beginner, intermediate and advanced guitar classes to students ranging from the age of 3 to 18+.

Skating Instructor | Learn to Skate

2014 - 2015

Taught toddlers ages 3 to 5 the basics of skating.



EDUCATION

Bachelor's Degree, Mechanical Engineering | Ontario Tech University

2015 – 2020

Graduate - 2.95 GPA

Notable Projects:

- i. Successfully Completed 16-month Ontario Tech Internship Program – ENGIE Canada Inc. Engineering Intern with 12 months of PEO recognized engineering pre-graduate work experience
- ii. Scaled Electric Combat Vehicle – Capstone Project
 - Revitalized and redesigned drivetrain components of an existing 8x8, 1/6th scale model of a General Dynamics LAV 6.0 armored personnel carrier
- iii. Successfully Designed Induction Coil – able to heat metal to 90°C
- iv. Thermodynamics Research Development Project - 93%
- v. Multiple CAD Development Projects – Siemens NX



SKILLS

- CAD
- AutoCAD .NET Programming
- Mathematical/FEA Analysis
- Mechanical Engineering Design
- Communication/Presentation
- C# Programming



VOLUNTEER WORK

Autism Ontario | Skating Instructor

2013

Instructor for workshops to teach autistic children how to skate

Western University | Applicant for Autism Survey

2012

Participated as a sibling in an Autism survey to compare autistic individuals, their siblings and unrelated subjects by completing a series of complex tasks

Heart and Stroke Foundation | Volunteer

2012

Timekeeper for multiple charitable hockey games