

ADAM GIRARD-MCFADDEN

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PROFESSIONAL PROFILE

Mining Engineering Technologist with over 8 years of experience in Mine Ventilation Engineering. Currently studying Full-Stack Web Development at Carleton University with the ultimate goal of pivoting into a new career in the Ottawa region.

HIGHLIGHTS

- Bilingual: proficient in French and English both spoken and written
 - Over 5 years of experience managing departmental priorities and project coordination
 - Over 5 years of experience mentoring and leading a team of 3 engineers and technicians
 - Strong analytical mind with excellent judgement and proactive mindset
 - Superior work ethic and professionalism which has translated to a great rapport with past employers and clients
 - Technologically inclined and quick to adapt to new software and programming languages
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TECHNICAL SKILLS

HTML5, CSS, JavaScript, Python, AutoCAD, MineCAD, VentSim, VUMA, Solidworks, SAP, Microsoft Office Suite

EXPERIENCE

Hurley Ventilation Technologies Inc.

Sudbury, ON

Project Manager + Technical Design/Drafting

May 2019 to Sept 2020

- Analyze RFPs/RFQs and formulate scopes, schedules, and budgets for main mine ventilation projects
- Lead project team to ensure project successful completion on time and on budget
- Complete quality control testing
- Commissioning of main mine ventilation systems
- Ventilation design for main and auxiliary systems
- Drafting of general arrangement and construction drawings for bidding and fabrication

Cambrian College of Applied Arts and Technology

Sudbury, ON

Professor of Mine Ventilation Planning (Part-Time)

Sept 2019 to Dec 2019

- Create and teach lesson plan for 3rd year Mine Ventilation Planning Course of Mining Engineering Technology program.
- Curriculum included auxiliary and main ventilation design, responsibilities of a ventilation technician/engineer, ventilation modelling with VUMA, ventilation spreadsheet creation.
- Create and grade labs, projects, quizzes, tests, and exams to evaluate student understanding and progression.

Alamos Gold Inc. (Previously Richmond-Mines Inc.)

Dubreuilville, ON

Long-Term Ventilation Planner

Mar 2018 to May 2019

- Produce ventilation department yearly and quarterly forecast & budget
- Mentor and train ventilation technicians
- Produce Life of Mine (LOM) ventilation plans
- Assist with Extended Life of Mine (ELOM) scoping study
- Oversee all ventilation projects and ensure their successful completion
- Produce short and mid-term ventilation designs to meet production and development goals
- Ensure the successful completion of ventilation technician's tasks
- Keep ventilation model up to date
- Ventilation inventory management
- Troubleshoot issues with the ventilation network as they arise and suggest solutions

Ventilation Specialist

**Feb 2015 to Sep/2015
& May 2016 to Mar 2018**

- Produce ventilation department yearly and quarterly forecast & budget
- Produce short and mid-term ventilation designs to meet production and development goals
- Produce blast clearing designs as required for production blasts
- Ventilation inventory management
- Perform underground ventilation surveys
- Update ventilation level maps
- Perform silica and carbon dust sampling in the mill and underground
- Troubleshoot issues with the ventilation network as they arise and suggest solutions

Goldcorp Inc.

Red Lake, ON

Ventilation Technician

May 2012 to Feb 2015

- Weekly underground ventilation surveys
- Update ventilation level maps
- Review and sign mining and drilling layouts for ventilation department
- Bi-annual volumetric Survey
- Assist mining department with gas clearing issues as required
- Assisted ventilation and project engineers with surface exhaust fan project
- Troubleshoot issues with the ventilation network as they arise and suggest solutions

EDUCATION

2021	Full-Stack Web Development (6 Month Bootcamp) Carleton University
2015 - 2016	Mining Engineering Technology Diploma (3 Year Program) Cambrian College of Applied Arts and Technology
2009 - 2011	Mining Engineering Technician Diploma (2 Year Program) Cambrian College of Applied Arts and Technology