

Brodie Moore

EDUCATION

Queen's University | Kingston, ON
Bachelor of Science in Engineering
(BScE)

2013 – Present

Mechanical and Materials Engineering

- CGPA of 3.90
- Dean's Scholar (academic excellence)
- Queen's University Excellence Scholarship (academic excellence)

Henry Wise Wood High School | Calgary, AB

Graduated 2013

- Received top academic awards in Physics, Calculous and Chemistry
- Swam competitively in city wide meets

TECHNICAL SKILLS

Proficient programming: MATLAB, C++, Arduino (including servo motor control)

Computer Aided Design (CAD) (Including NX)

Microsoft Office Software: Word, Excel, PowerPoint

Effective communication skills (between both clients and coworkers)

Extensive experience with open ended design projects

Clear and concise technical report writing and data analysis

EXPERIENCE

Maintenance Worker | Woodside Golf Course | Airdrie, AB

2014 – 2015

- Worked with mechanic to help fix and complete a multitude of projects (Mower Maintenance, woodcutting, home renovation, and landscaping)
- Operated a Bobcat and other widespread of machines to complete daily course maintenance
- Was punctual to 5:00am starting times

Engineering Design Project (APSC 200) | Queen's University

2015

- Member of a team of five tasked with designing a disassembly line station
- Frequently communicated with four other groups to coordinate the integration of separately designed stations into the disassembly line
- Used evaluation procedures and created rubrics/matrices to evaluate ideas and prototypes
- Developed a functioning model that was demonstrated in conjunction with other stations
- Wrote technical engineering reports and delivered a formal presentation of the design

Engineering Design Project (APSC 100) | Queen's University

2014

- Tasked with designing a metallurgical recovery method for dust created in an Electric Arc Furnace
- Modeled various compositions of metals and additives using HSC Chemistry software
- Analysed data to determine effective designs as well as economic analysis
- Wrote technical engineering reports and delivered a formal presentation of the proposed solution

Math Tutor | Calgary, AB

2013

- Explained and taught material in alternative ways to better students understanding
- Was friendly an approachable to create a positive learning environment