

# Jared Schroeder

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Citizenships: Canadian and German

## UNIVERSITY OF ALBERTA – ACADEMIC STATUS

5<sup>th</sup> Term Mechanical Engineering, BSc Co-op

Cumulative GPA as of July 2020:

Looking for 8-month work term from September 2020 – April 2021

Class of 2023

3.3/4.0

## RELEVANT EXPERIENCE

### Mechanical Team Member

[Autonomous Robotics Vehicle Project](#) (ARVP), Edmonton

Oct. 2018 - Current

- Use SolidWorks and SolidWorks PDM to create CAD models, parts, assemblies, and drawing for a robot with a budget of ~\$40k.
- Review equipment selections, performed preliminary engineering calculations, and assisted in developing preliminary designs for new parts and changes to existing ones.
- Work with Software and Electrical teams to design new systems and alter existing ones.
- Work on creating a torpedo firing system, a mechanical arm, and general design and manufacturing of the next generation robot.

### Industrial Pesticide Applicator Foreman

Arbour Tech Utility Services, Leduc

May – August 2019

- Controlled vegetation growth on ATCO and AltaLink Right-Of-Ways.
- Obtained an Industrial Pesticide Applicator Certificate from Lakeland College.
- Obtained H2S Alive, WHMIS, TDG, First Aid with AED, BSO, wildlife awareness, EGSO, fire safety, UTV training, defensive driving, and power line awareness certificates.

### Industrial Pesticide Applicator

Ace Vegetation Services, Nisku

May – August 2018

- Controlled vegetation mainly on industrial sites for Enbridge, Pembina, Secure Energy, and ATCO gas.
- Operated F550 and F350 spray trucks, UTV spray units, and trailers.
- Similar work as with Arbour Tech Utility Services.

### Math Tutor

SCA School, Sherwood Park

2016 – 2017

- Tutored multiple students for grade 10 and 11 mathematics during my final year of high school.

## TECHNICAL SKILLS / COMPUTER SKILLS

CAD / Design:

- Certified SolidWorks Associate.
- Worked with Solid works PDM.
- Knowledge of GD&T Standards.
- Working knowledge of Autodesk Inventor and AutoCAD.

Programming Languages:

- Have used HTML, CSS, JavaScript to create websites and games.
- Working knowledge of Python and MATLAB.
- Working Knowledge of GitHub, Git, and CMD.

## INTERESTS / HOBBIES

- Running: Have ran both the Vancouver BMO marathon and the Edmonton Servus Marathon.
- Mechatronics: Worked on various personal projects such as robotic arms, electronic cars, and various Arduino projects. I also do other weird things like make steampunk lamps.
- Hackathons: attended both the 2019 and 2020 HackED hackathon. Won Organizers Choice award for a game coded in JavaScript using the Phaser game engine.
- B1.1 German Sprachdiplom from Sprachinstitut Tuebingen.