

► Dylan Hahn

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Education

Master of Applied Science in Mechanical and Mechatronics Engineering 2022 - Present

College of Engineering, University of Waterloo, Waterloo, ON

- Research in Active Control of Microfluidic Droplets
- Expected Convocation Date: September 2024

Bachelor of Science in Engineering with Great Distinction, Mechanical Engineering 2018-2022

College of Engineering, University of Saskatchewan, Saskatoon, SK

- Dean's Honour Roll 2018-2022
- 87% Average
- Convocation Date: June 2022

Research Experience

Undergraduate Summer Research Assistant

Summer 2021

Professor David Sumner, University of Saskatchewan (Saskatoon, SK)

- Research in bluff-body aerodynamics.
- Conducted wind tunnel experiments for air flow around rectangular prisms using seven-hole pressure probe
- Processed and analyzed wind tunnel data using Excel and data presentation software (TecPlot 360) to gain understanding of flow field.
- Work was done independently, with direction provided by my supervisor.

Publications

- da Silva, B; Hahn, D; Sumner, D; Bergstrom, D. (2022). Mean wake and aerodynamic forces for surface mounted finite-height square prisms of very small aspect ratio. *Physics of Fluids*. 34(11): 115-118.

Volunteer Experience

Tutor

Spring 2023

United for Literacy - Number Ninjas (Waterloo, ON)

- Helping children ages 6-8 with math concepts and learning through fun math activities and games

Work Experience

Labourer

Summer 2020

SaskPower (Saskatoon, SK)

- ▶ Inspected various types of transformers around Saskatoon, checking for lean and decay.
- ▶ Repainted multiple ground transformers.
- ▶ Evaluated street/highway lights throughout Saskatchewan looking for wear and decay.
- ▶ Work was done independently, supervisor or co-workers contacted only if needed.

Maintenance Worker

Summer 2017 and Summer 2018

Echo Valley Provincial Park (Fort Qu'Appelle, SK)

- ▶ Cleaned service centers within park.
- ▶ Assisted in maintenance of green spaces by cutting grass, trees, and clearing weeds.
- ▶ Assisted in maintaining well-being of park such as maintaining the power, catering to campers needs, filling in potholes, and various odd jobs (insect extermination, moving benches and tables, digging to find waterlines etc.).
- ▶ Gained experience with industrial cleaning chemicals.

Independent Lawn Cutting Business

Summer 2013 –Summer 2016

Fort Qu'Appelle, SK

- ▶ Assisted with the maintenance of residential green spaces by cutting grass, cutting trees, and clearing weeds.
- ▶ Gained experience with mower, whipper snipper, and hand tools.

Awards

Ontario Graduate Scholarship (OGS)

2023

- ▶ \$15,000 dollars per year merit-based scholarship program for Ontario's best graduate students in all disciplines of academic study.

Presidents Graduate Scholarship (PGS)

2023

- ▶ \$5,000 dollars per year scholarship offered by the University of Waterloo to students who hold NSERC or OGS awards.

Engineering Dean's Entrance Award

2022

- ▶ \$5,000 paid out over first two terms of graduate studies. Based on undergraduate academic achievement.

Department of Mechanical Engineering Devolved (Graduate) Scholarship

2021

- ▶ \$17,000 dollars per year to pursue graduate studies in the Department of Mechanical Engineering at the University of Saskatchewan, based on academic performance. Awarded to top two students in department (not accepted).

University of Saskatchewan Undergraduate Scholarship

2021

- ▶ \$1,500 based on academic achievement.

Saskatchewan Advantage Scholarship

2018-present

- ▶ Provides strong post-secondary students with \$500 a year for four years

Professional Development & Training

- ▶ WHMIS 2015 Certification 2021 valid to 2024
- ▶ PSC Fire Extinguisher Certification 2017
- ▶ First Aid and CPR Training and Certification 2018 valid to 2021
- ▶ Utility Terrain Vehicle Training and Certification 2018
- ▶ SolidWorks Associate Certification 2020

Activities

Memberships

- ▶ Golden Key International Student Society Saskatoon Chapter 2018-present

Interests

- ▶ Keeping physically fit through various activities such as going to the gym, biking, playing squash/tennis, hockey, golf, skiing, soccer, and frisbee
- ▶ Reading/learning various new topics not covered by degree such as new coding languages, classical and quantum physics, sociology, economics, etc.
- ▶ Frequent music listener and (infrequent) player (guitar, keyboard, and bass).