Colin MacMillan

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Skills Summary

- 2 years of experience **in Java,** 4 months experience in **C++**
- 3 months experience **in SolidWorks**
- 2 years' worth of **Hands-on engineering skills** and mechanical aptitude in my robotics team
- **Proficient** in French, graduated with **Certificate of Bilingual Studies**

Extracurricular

FIRST ROBOTICS CLUB PRESIDENT | HARBORD COLLEGIATE INSTITUTE | 2021-2023

ⓘ INSTAGRAM.COM/HARBORD.ROBOTICS

- Coded the robot in **Java** to move and shoot balls in preparation for the 2021 competition.
- Created **CAD** drawings in SolidWorks for ball-shooting device.
- Demonstrated **leadership** by overseeing multiple sub-teams and actively engaging in sponsorship outreach.
- Attached and wired a ball-shooting device for the 2021 competition.
- Using **Arduinos**, created a light detection system using Robotic sensors, and LED's.

TUTOR VOLUNTEER | MAIL@YAY.ORG | MARCH 2022-JUNE 2022

- **Organized** multiple different types of lessons such as Math, French, and science for multiple children.
- **Adaptable** in their teaching methods to cater to the diverse learning styles and abilities of children.

Participating by January, not included in Skills Summary

- Participating in the IBM Z Datathon 2023, a hackathon for data-based algorithms
- Expanding on AutoCAD, in my MTE 100 course
- Participating in WARG, a design team focused on Aerial Robotics

Work Experience

FISH MONGER | SEAFRONT FISH MARKET | JULY 2022-AUGUST 2023

- 93 FRONT STREET EAST UNIT #30, TORONTO, ON | +1 (416) 365 0086
- **Competent** in delivering exceptional customer service at a bustling farmers market, such as cleaning fish, shucking oysters, and steaming lobsters.

Education

- **Bachelor of Mechatronics Engineering**
  University of Waterloo
  2023 – Present
- **Ontario Secondary School Diploma: Certificate of Bilingual Studies, graduated with Honours.**
  Harbord Collegiate Institute
  2019-2023.
- **Royal Conservatory of Music | Level 8 in Piano | Level 10 in Music History**
  2015-2023