

Francis Bui

Mechatronics Engineering Student

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SUMMARY

Mechatronics Engineering student with excellent interpersonal abilities, an unstoppable drive, and 6+ years of experience facilitating engineering solutions to design teams and companies. Leverages knowledge in robotics to create award-winning and cutting-edge projects. Thrive in team-based environments. Enjoys creating interesting and complex personal projects to grow and test abilities.

RELEVANT SKILLS

Google Cloud AI Platforms

Control Systems

PyTorch

TensorFlow

ROS

GitLab

Python

C++, C#, Arduino

Linux

OpenCV

Java

AWS

Keras

Jenkins

SolidWorks

PROFESSIONAL EXPERIENCE

Taiga Robotics, Toronto, ON

Machine Learning Intern, September 2021–May 2022

- Utilized ROS and explored an open-source robotics development path along with PyTorch to accelerate the path from research prototyping to production deployment within the realms of computer vision and artificial intelligence.
- Work led to the launch and deployment of dozens of AI-powered robotic arms across the world, present in bomb disposal, agriculture, and commerce.

FIRST Robotics, Mississauga, ON

Team Lead, September 2019–September 2022

- Took a leadership position within a team, developing software and 3D models that directly correlated to the performance of a 120lb competitive game robot. Over my time with the team, it has risen from the 70th percentile to the 98.9th percentile.
- Work in autonomous programming, computer vision, control systems, and innovative design has led the team towards a series of wins in competitions, and various awards including the Engineering Excellence Award at the Robotics World Championship.

Best Buy, Guelph, ON

Computing Solutions Advisor, August 2021–August 2022

- Broken various sales records, consistently outperforming full-time employees by 350% on a fraction of their work hours. Taught sales tactics to co-workers, placing the store at the top of the district.
- Able to raise over \$10,000 in two months for charities utilizing an internal program, nearly 1000x what the average employee could raise over a year

EDUCATION

University of Waterloo, Waterloo, ON

Honours Co-op Mechatronics Engineering, September 2022–April 2027

HS GPA: (3.9/4.0)