

# BENJAMIN DI BUONO

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## SUMMARY

Highly motivated third-year Mechanical Engineering student at Dalhousie University with hands-on experience in product development, 3D printing, and supply chain optimization. Skilled at translating technical concepts into practical solutions and eager to contribute to innovative engineering projects.

## TECHNICAL SKILLS

**Programming:** Python, C++, Arduino

**Software:** MATLAB, LTspice, SolidWorks, GrabCAD, Bambu Studio

**3D Printing:** Bambu Lab, FDM, slicing and support optimization

**Languages:** English (Native), Italian (Conversational)

## EXPERIENCE

### Canadian Tire Corporation — Toronto, ON

*Product Development Intern — May 2025 – Dec 2025*

- Operated and maintained the 3D printing lab, managing slicing, print tray setup, and material procurement for a \$300M+ business
- Supported design and prototyping for multiple commercial projects projected to generate approximately \$850K annually, through component modeling, market research, and sample testing.
- Led the launch of an internal wiki page, integrating AI tools to improve workflow documentation and efficiency, saving 20,000+ minutes annually

### Mayer Deonarine / RySpec Racing — Toronto, ON

*Race Crew Spotter – GT4 Radical Cup — July 2025*

- Served as spotter during live races, providing real-time updates and green flag alerts to drivers.
- Assisted with car repairs following on-track collisions to ensure next-day readiness.
- Reviewed race footage with drivers and gained exposure to post-session debrief analysis.

### **Canadian Tire Corporation — Toronto, ON**

*Supply Chain Solutions Co-op — May 2024 - Aug 2024*

- Produced seven daily analytical reports used by consultants to monitor dealer orders and logistics flow.
- Developed an automated optimization tool for product picking processes in distribution centers, identifying potential for significant cost savings.

### **Sport Chek — Toronto, ON**

*Retail Associate — May 2023 - Sep 2023*

- Delivered excellent customer service within the soft goods department.
- Maintained changeroom organization and ensured proper handling of returned merchandise.

### **Canadian Tire — Toronto, ON**

*Retail Associate — Nov 2020 - Dec 2022*

- Supported multiple departments, addressing customer needs and assisting with transactions during peak hours.
- Provided backup at cash registers to maintain efficiency during high-traffic periods.

## **EDUCATION**

Bachelor of Engineering (Mechanical) — Dalhousie University

Sep 2023 - Present (Expected 2028)

- Sexton Scholar (Dean's List) - First Year
- Member, Dalhousie Formula SAE Racing Team
- Pursuing Certificate in Sustainable Energy Technologies

Ontario Secondary School Diploma — North Toronto Collegiate Institute

Sep 2019 - Jun 2023

## **CERTIFICATIONS**

- Intro to Motorsport Certificate
- CPR Certification
- Bronze Medallion