Young Choi

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Education

University of Waterloo — Expected Apr 2030
BASc, Civil Engineering — Waterloo, ON
CGPA: 80.15% | Excellent Academic Standing | President's Scholarship

- **Relevant Coursework: Solid Mechanics I** (CIVE 204), **Earth Engineering** (CIVE 153), **Transportation Principles** (CIVE 241), **Structures and Properties of Materials** (CIVE 265), Mechanics I & II (CIVE104, 105)

Work Experience

Event Planner Executive — Jan 2026 – Present
Civil, Environmental, Architectural, Geological Engineering Society — *Waterloo, ON*

- Represent over **100 civil engineering students** (Class of 2030), bridging communication between faculty, the engineering society, and the cohort to drive student requested initiatives.
- Organized the flagship **Industry Night** attracting **180+ students** and **10+ major civil engineering firms** through extensive advance planning, budgeting, and targeted outreach.

Land Surveying Assistant — Apr 2026 – Aug 2026
Tarasick McMillan Kubicki Surveyors Limited — *GTHA, ON*

- Collected up to **250 survey points** per job across **50+ residential and commercial projects** for **Surveyor's Real Property Reports, as-built reports, and property-limit surveys** to ±**5 mm tolerance**, using **Leica TS12, GeoMax Zoom95, Carlson CRx total stations** and **Carlson BRx7 GNSS receivers**
- Captured and feature-coded field data in **Carlson SurvCE** software on **Surveyor 2, RT4, and Juniper Allegro 2** data collectors, supporting **1-3 drawing deliverables** per job
- Completed **up to 3 field operations daily** across the GTHA, from **large construction sites to residential lots**, in **two-person crews** within a **12-person team**

Lifeguard — Jun 2023 – Sep 2025
The Lifeguard Company | Superior Pools Spa & Leisure | City of Toronto — *Toronto, ON*

- Safeguarded **30–50 swimmers per shift** and maintained **100% water-quality compliance** with municipal regulations by testing chlorine and pH, backwashing, and vacuuming

Band Leader / Non-Commissioned Officer — Sep 2019 – Sep 2023
180 Mosquito Royal Canadian Air Cadets — *Toronto, ON*

- Led a **30-member marching band** weekly, sustaining **95%+ attendance**, and earned **third place at provincial championships** (2023)
- Taught and trained **over 30 cadets** ranging from new recruits to seniors in military history, precision drill, and other curriculum through **20+ structured modules and lessons plans submitted to senior officers**

Projects

Building Restorations Media Editor — Sep 2026 - Present
GoPro Solutions Inc. — *Toronto, ON*

- Edited promotional social media videos featuring aerial drone footage in **DaVinci Resolve**, combining music integration, technical text overlays, and clip transitions to elevate GoPro Solutions' brand presence highliting building restorations

Concrete Toboggan Mix — Sep 2025 – Apr 2026
University of Waterloo Concrete Toboggan Team — *Waterloo, ON*

- Formulated a specialized concrete mix to meet target density and strength through **slump testing, compressive cylinder breaks, and trial batching** per ASTM standards

Residence Proposal @ UWaterloo — Sep 2025 – Nov 2025
University of Waterloo — *Waterloo, ON*

- Surveyed the campus with an **automatic level and total station** (**100+ points**, ±**10 mm**) and modeled topography in **Civil 3D** and **InfraWorks**, verifying the residence against **Waterloo Region by-laws** (**parking, gradients**)

Technical Skills

Surveying: Leica TS12, GeoMax Zoom95, Carlson CRx total stations; Carlson BRx7 Global Navigation Satellite System (GNSS) Receivers; automatic level; Carlson SurvCE; Juniper Allegro 2
Design and Analysis: AutoCAD, Civil 3D, InfraWorks, MATLAB, Excel | **Other:** Fluent Korean, Intermediate French

Certifications and Awards

Certifications: Standard/Emergency First Aid + CPR-C; WHMIS 2015; LinkedIn Learning AutoCAD 2026
Awards: YIP Engineering and Science Scholarship (2025) | NASA HUNCH Critical Design Review Recognition (2025)