

Valerie Mao

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Education

- **University of Waterloo**, 1st year Architectural Engineering student (class of 2030)
- **Catholic Central High School**, International Baccalaureate (IB) Diploma

Strengths

AutoCAD, Figma, blender, Rhino, Notion, Fluent in English, French (B2 certified), Mandarin, and Cantonese, piano (RCM level 9),

Work Experience

Malibu Restaurant South 2024-2025 (Hostess/busser)

- Delivered professional customer service by addressing inquiries and resolving issues efficiently
- Managed table rotations to optimize customer flow and minimize wait times
- Coordinated with servers and kitchen staff to maintain smooth operations in a fast-paced environment

Clear Inc January 2026 - April 2026 (Engineering Intern)

- Developed detailed piping and system layout drawings using AutoCAD to support water treatment and UV installation projects.
- Coordinated with plumbing and electrical contractors through emails, phone calls, and meetings to clarify scopes of work, pricing, and installation logistics.
- Assisted with site visits and installation reports, documenting system conditions, measurements, and recommendations for ongoing projects.
- Led a market research and vendor evaluation initiative for UV air treatment technologies, conducting technical assessments, negotiating quotations, and coordinating meetings with executives, sales teams, and scientific representatives, resulting in a major industry partnership.

MW Technologies Dec 2025- (Marketing coordinator)

- Designed and developed branding and marketing materials, including the company website, business cards, and professional letterheads.

Volunteer and Leadership Experience

- The Student Water Project ([UV water treatment NGO](#))
 - Founded and serve as CEO of a student-led nonprofit advancing access to safe drinking water through education, fundraising, and implementation of sustainable water treatment solutions in underserved communities.
 - Built and lead a multidisciplinary team of students, researchers, and industry professionals in the UV water treatment sector
 - Secured partnerships with industry-leading companies and researchers
 - Currently working with a research team at UBC to implement 2 UV reactors at a school in Kisii, Kenya
 - Co-authored and presented research on student engagement and decentralized water treatment initiatives, earning acceptance for a podium presentation at an international industry conference.
- More than 700 high school volunteer hours

Skills and interests

Interests: theatre production, arts and crafts, running (10km/half marathon), swimming, fashion