

# Zilin Ye

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## SKILLS:

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**Languages:** C++, Python, HTML, CSS, SQL

**Software:** Solidworks, Arduino IDE

**Tools:** Microsoft Office Suite, Azure Cloud Services, Github, Google Suite, Canva, Figma

**Soft Skills:** Product Prototyping/Development, User-Centered Design, Data Analysis/Visualization

## WORK EXPERIENCE:

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### Recruitment & Marketing Associate - Faculty of Engineering

University of Waterloo | Waterloo | September 2024 - December 2024

- Maintained accurate records of event outcomes, and composed detailed reports/presentations using Microsoft Excel and PowerPoint to internal stakeholders, providing actionable insights to enhance recruitment outcomes
- Collected and analyzed feedback from prospective students to refine event strategies, demonstrating strong communication and problem-solving skills
- Collaborated with leadership to develop and implement event strategies aligned with organizational goals
- Managed and conducted training sessions for over 170 student ambassadors, enhancing effectiveness in recruitment efforts.

### Assistant Manager

Foodie Fruitie | Waterloo | March 2019 - April 2024

- Managed day-to-day operations, including staff training and addressed technical challenges with POS systems, improving efficiency and minimizing downtime
- Coordinated multiple priorities such as staff schedules, customer inquiries, and inventory management in a fast-paced environment
- Programmed and maintained a customer-focused website, increasing engagement and improving communication

### Solution Developer

Microsoft | Waterloo | May 2023 - August 2023

- Partnered with IT professionals to develop creative solutions that streamlines data processing workflows using AI and Azure, resulting in improved efficiency
- Collaborated across teams to manage deliverables and align technical requirements with project goals

## PROJECTS:

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### Spine Biosticker

C++, Arduino IDE

- Ensure a safe range of post-surgery spine movement with BMX160 9-axis sensors programmed in Arduino
- Conducted research on targeted users to identify needs and define prototype requirements for a post-surgery spine movement monitoring device

### Exercise Equipment Prototype

Engineering Design Process and Prototyping

- Developed detailed project schedules and timelines to ensure on-time completion of key milestones for the design and testing phases
- Documented project progress and presented updates to supervisor, demonstrating strong organizational and communication skills
- Applied product development principles to create adaptive solutions that addressed specific user needs, integrating feedback into the design process

## EDUCATION:

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University of Waterloo | Expected May 2027

Bachelor of Applied Science - Biomedical Engineering