

# LILY TAO

## SYSTEMS DESIGN ENGINEERING

### CONTACT

[lilytao.me](http://lilytao.me)  
[lily.tao@uwaterloo.ca](mailto:lily.tao@uwaterloo.ca)  
[linkedin.com/in/lily-cao/](https://linkedin.com/in/lily-cao/)  
[github.com/lilytao2001](https://github.com/lilytao2001)

### SKILLS

- C++
- HTML/CSS
- SolidWorks
- Photoshop/Illustrator
- Microsoft Office

### AWARDS

#### DECA

Buying and Merchandising

- **3rd Place** Internationals (2019)
- **1st Place** Provincials (2019)

#### Deloitte Case Competition

Technology Consulting

- **1st Place** University of Western Ontario (2018)

#### Top 25% Euclid

International University of Waterloo Math  
Competition (2019)

### EDUCATION

#### University of Waterloo

Systems Design Engineering 2024

- Relevant Courses: Digital Computation (C++),  
Introduction to Design, Engineering Visualization

### INTERESTS

#### Painting/Sketching/Art

- Trained in classical and modern art

#### Calligraphy

- Commissioned to write holiday cards, etc.

### EXPERIENCE

#### CO-FOUNDER

Ingenium Youth Toronto | 2018-Present

- Founded a registered not-for-profit that hosts monthly STEM events
- Led a team of 6 high school students to plan monthly interactive lessons
- Managed finances and logistics by securing a total of **\$2000 in sponsors** through pitches to local businesses and finding event venue

#### DIRECTOR OF FINANCE

Project Ethos Public Speaking | 2018 - 2019

- Distributed an 8 part public speaking workshop package to over **35 chapters** in North America, Europe, and Asia
- Ran public speaking workshops in nearby high schools

#### MATH TEACHING ASSISTANCE

Belief Learning Centre | 2018

- Curated a tutoring curriculum for grades 1-12 used by **two education centers** and over **10 teachers** combined
- Designed custom practice handouts, study guides, and assessments to evaluate and increase students' performance

#### REAL ESTATE LAW ASSISTANT

Dai Law Professional Corporation | 2017

- **Increased** daily efficiency by creating an **office wide client database** using data management software to streamline client intake and discharge
- Increased communication between law firms by receiving and sending legal documents

#### SALES ASSOCIATE

Hickory Farms LLP | 2017-2018

- **Increased** customer service through communication and understanding consumer needs
- Minimized wasted food product by consistently exceeding daily sales objectives

### VOLUNTEERING

#### SOCIAL MEDIA AND MARKETING

Markham Key Club | 2017-2019

- Updated social media and website to raise awareness for homelessness in Toronto
- Gave out 100 winter care packs to the homeless in downtown Toronto