

Lily Tao

SYSTEMS DESIGN
ENGINEERING

CONTACT

lilytao.me

lily.tao@uwaterloo.ca

linkedin.com/in/lily-tao/

github.com/lilytao2001

SKILLS

Development

- C++
- Java
- Javascript
- HTML/CSS

Tools

- Adobe CC
- Figma/Sketch
- Bootstrap
- Git/Bitbucket
- Talend Data Integration
- SolidWorks
- MS Office

Management

- Agile Framework
- Jira
- Confluence

AWARDS

DECA

Competitive Case Competition

- 3/170 Place Internationals (2019)
- 1/150 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: Data Structs. & Algorithms (C++), Digital Systems, Human Factors in Design

Codecademy

Web Development (2020)

- HTML, CSS, Javascript

INTERESTS

Art

- Oil, Acrylic, Graphite, Coloured Pencil Calligraphy

EXPERIENCE

Finance Developer

TD Bank (Jan 2020 - Apr 2020)

- Provided Java code maintenance and support during testing cycles to deploy financial reporting applications to higher environments
- Complied with the system development life cycle (SDLC) and project management methodology (PDLC) to create project documentation of system requirements
- Automated file transfer processes from external databases using Autosys and Ca7 scheduling services reducing processing times by 70%
- Assisted with data pipelines using Talend for data extraction and code promotion

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)

- Created an 8 part public speaking workshop with the founders
- Expanded the organization to over 35 chapters in North America, Europe, and Asia

Real Estate Law Assistant

Dai Law Office (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

PROJECTS

Helping Hand

Personal Design Project (2020)

- Designed and prototyped interface for a digital volunteering app that consolidates volunteering opportunities and volunteering task performance

Tictactoe

C++ (2019)

- Created game while incorporating key aspects of object oriented programming
- Developed efficient algorithms to check for game completion, legal moves, and graphical changes

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