

# Wei Lan (Emily) Tao

Email  
w4tao@uwaterloo.ca

GitHub  
<https://github.com/WeilanTao>

LinkedIn  
[www.linkedin.com/in/emily-weilan-tao](https://www.linkedin.com/in/emily-weilan-tao)

---

## SUMMARY OF SKILLS

- Backend: Java, Spring Boot, C++, C#, MATLAB, VHDL, MySQL, Hibernate, ASP.NET core
- Frontend: Angular, React, JavaScript/TypeScript, HTML, CSS
- Tools: IntelliJ IDEA, Postman, Git, Visual Studio Code, Visual Studio
- Others:
  - Good communication skills, devoted team player
  - Fast learner, multitask organizer
  - Highly self-motivated, detail-oriented, and result-driven

## RELEVANT PROJECTS

### Tetris

January 2022

*WPF, MVVM, C#*

- Developed a classical Tetris game in WPF. Users can move and rotate the tetris to fulfill lines. Cancelled lines contributes to scoring and leveling up. A separate panel displays the next tetromino.
- Github: <https://github.com/WeilanTao/Tetris>

### TodoWebsite

August 2021

*Java, Spring Boot, Spring Security-JWT, Hibernate-JPA, MySql, Angular*

- Developed a reactive frontend-backend-separated website with login system in Spring Boot with Angular, that manages todo events for users in different roles.
- Secured the website by Spring Security-JWT that refresh tokens every 5 minutes and expires in 10 days after user signing in.
- Utilized Hibernate-JPA to manage database.
- AWS deploy
- Github: <https://github.com/WeilanTao/ToDoListWebsite>

### MySketcher

JULY 2021

*Java 2d image processing, Java Multithreading, Java IO*

- Build up a sketching program that apply pencil sketching effect to natural photography.
- Github: <https://github.com/WeilanTao/MySketcher>

## EXPERIENCES

### Software Developer (Co-op) | Halu Info Co Ltd, China

OCTOBER – DECEMBER 2020

- Built up reactive and aesthetic webpages from backend to frontend. Fixed bugs on styling, database and http status errors.
- Developed knowledge of Java, Spring boot, Vue, MyBatis, ECharts, and Element components.

### Java Backend (Co-op) | The Home Depot, Canada

JANUARY - APRIL 2020

- Worked on Hybris-based data persistence layer and service layer; built up a Scoring Service Connect; trouble shot on filters, synonym-related issues
- Developed knowledge of Hybris, Mockito, Spring framework and Solr
- Worked on a big agile team

## EDUCATION

### Electrical & Computer Engineering | University of Waterloo

Awards and Certification: University of Waterloo President's Scholarship