# Yidi **Chen**

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## Skills

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|---|---|
| **Languages** | Java, Python, C++, HTML, CSS, JavaScript & TypeScript |
| **Frameworks** | Spring & Spring Boot, Hibernate, Vue.js (2 & 3), React.js, Pytorch |
| **Databases** | MySQL |

## Projects

### UWaterloo Bubble ⬈

*Java, Spring Boot, PyTorch, Vue.js*

DEVELOPER (CO-DEVELOPER)

- An application targeting for helping UWaterloo Student social and communication.
- Worked with two teammates, playing the role developing **frontend** (Vue) and **AI** (pytorch).
- Used **Vue.js** with **Element Plus** for frontend, **Spring Boot**, **Spring Security** for backend, and **Pytorch** and **Flask** for doing recommendation to users.

### Xkamework ⬈

*Java, JSON*

CREATOR

- Build a simple framework in Java supporting **Inverse of Controlling**.
- Supporting to create the beans in the application context by using json or using the annotation.
- Used **reflection** technology in Java. Used **DFS** to traverse the dependency of beans for injection.

### Diffusion Anime Head ⬈

*Python, Pytorch, DDPM*

CREATOR

- Build an AI model **generating the anime faces**.
- Used **Pytorch** as framework and **DDPM (Diffusion Model)**.

### Email Manager ⬈

*Java, JS, Springboot, React.js*

CREATOR

- An email manager intended to make email management similar to file explorer.
- Developed as an local webapp. Use **Springboot** for backend and **React.js** for frontend framework.

## Education

### University of Waterloo

*Honour Mathematics*

BACHELOR OF MATHEMATICS (CANDIDATE)

*Sep. 2022 - April 2027*

Achievements:

- Received Mathematics International Students Entrance Scholarship
- Received University of Waterloo President's Scholarship of Distinction
- Received **97%** in Advanced Designing Functional Programs
- Received **97%** in Algebra
- Received **100%** in Calculus I

## Achievements

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|---|---|---|
| 2022 | **Honor Roll Group II**, | Canadian Computing Competition (Senior) |
| 2022 | **Honor Roll Group V**, | Euclid Contest |
| 2021 | **Honor Roll Group IV**, | Canadian Computing Competition (Senior) |
| 2021 | **Honor Roll Group V**, | Euclid Contest |