Yidi **Chen**

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Skills

Languages	Java, Python, C++, HTML, CSS, Javascript & Typescript
Frameworks	Spring & SpringBoot, Hibernates, Vue.js (2 & 3), React.js, Pytorch
Databases	MySQL

Projects

UWaterloo Bubble ↗
Java, Springboot, Pytorch, Vue.js

DEVELOPER (CO-DEVELOPER)

- Build an application which is targeted to help 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, **Springboot**, **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**
- Sample image generated could be find on github repository: https://github.com/XKTZ/diffusion_anime_head ↗
- 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.

Achievements

2022	**Honor Roll Group II**, Canadian Computing Competition (Senior)	*Canada*
2021	**Honor Roll Group IV**, Canadian Computing Competition (Senior)	*Canada*
2022	**Canadian Mathematics Olympiads Qualifying Repêchage Qualifier**, Canadian Open Mathematics Challenge	*Canada*
2022	**Honor Roll Group V**, Euclid Contest	*Canada*
2021	**Honor Roll Group V**, Euclid Contest	*Canada*

Education

University of Waterloo
Honour Mathematics

UNDERGRADUATE
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 (CS 145)
- Received **97%** in Algebra (MATH 135)
- Received **100%** in Calculus I (MATH 137)