

# Di Yao

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## EDUCATION

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- **Carleton University** Ottawa, ON  
*Bachelor of Computer Science Honours* *August 2018 – June 2022*

## PROGRAMMING SKILLS

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- **Languages:** Java, C++, Python, Javascript, Swift, SQLite
- **Technologies:** Visual Studio, Eclipse, Git, MS Office

## PROJECTS

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- **Connect-4 Game** *September 2020 - November 2020*  
*HTML, Javascript, CSS*
  - Developed user-friendly page and well animated page elements
  - The page elements are developed to fit perfectly on different devices' resolutions
- **Video Game User Database** *February 2021 - March 2020*  
*SQLite*
  - Constructed a database that satisfied Boyce-Codd normal form
- **Medical Device Simulator** *February 2021 - March 2021*  
*C++*
  - Developed various usage through object oriented techniques
  - Designed user interface in Qt
  - Managed team members to finish tasks on time and insured the quality of this project
- **Hide n Seek** *October 2021 - November 2021*  
*Python*
  - Implemented A\* and heuristic algorithm AIs to find and chase player
- **Live Camera Mask Detection** *February 2022 - April 2022*  
*Python*
  - Dataset trained by using CNN, and the model gets tested by using Harr Cascade algorithm
  - Shows the real-time result on a webcam
- **QR Code Check-In System** *January 2022 - April 2022*  
*Swift*
  - Developed a QR code generating application and a QR code scanning application with the ability check history user's information
  - Built nicely animated user interface by using Swift UI Kit

## EXPERIENCE

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- **Presotea** Ottawa, ON  
*Barista* *July 2019 - March 2021*
  - Maintained excellent customer service while efficiently serving customers
  - Demonstrated ability to deliver orders accurately while following company's established food processing procedures
  - Effective communication between colleagues during rush hours to provide excellent quality products