

# danna liu

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dnaliu.github.io

github.com/dnaliu

## skills

python

java

git

dart

object oriented programming,  
runtime complexity,

determined, resilient,  
hard-working, curious, adaptable

## education

carleton university - 2019 - 2023  
bachelors of computer science,  
business minor cgpa 12.0/12.0 (a+)

## interests

artificial intelligence, ecommerce,  
algorithms, travelling, fashion,  
home decor

## languages

english, french, mandarin(chinese)

## experiences

aug 2017 - present

### city of ottawa - lifeguard & swim instructor

- **established & promoted** public safety at the pool
- **support** patrons and help them with any concerns they have
- **collaborated** with a team of colleagues to provide best service
- **taught** swimming lessons, **motivated** and **improved** swimmers confidence

sep 2014 - may 2018

### nepean artistic swim club - coach & events coordinator

- **created** choreography with **attention to detail** for competitions
- promoted **cooperation**, teamwork and passion among young swimmers and **mentored** aspiring coaches
- **calculated** and **tabulated** scores for competitions

## projects

### budgeting application

- developed a budgeting application using **dart** and google's **flutter** framework
- implemented Google's **Firestore API** to collect user data

### electronic store app

- developed an application to sell items from a store using **Java** as backend
- designed the application using **JavaFX**

### comconnect

- developed a platform to **automatically assign** company employees to community projects for their corporate social responsibility policy
- **implemented** the web app using **javascript**, **firebase**, and **react**
- implemented **twilio** to send confirmation **text message** to associations and volunteer

## volunteer

### kids code jeunesse - instructor and club facilitator

- ran weekly workshops at community library to teach youth how to code
- **promoted** and **encouraged** youths' interest in STEM
- trained new and potential instructors as a mentor
- communicated feedback to organizations to create more activities

### carleton artificial intelligence society VP sponsorship

- contacted external resources to find sponsorships
- contacted companies and professionals to invite them to speak at events
- **ran and facilitated** workshops to teach members about AI