DANNA LIU

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education

Bachelors (Hons) ofComputer Science | Carleton University
Minor in **Statistics** & **Business**. Dean's List. Tracey & Siva Ananmalay Scholarship. **CGPA 11.84/12.0**(A+).

09/2019 - 05/2023
Ottawa, ON.

experience

Software Engineer Intern | RISE
- Front end developper.

Since 07/2020
Remote.

Teaching Assistant | Carleton University
- Presented concepts and examples through **engaging lectures** and participation.
- Ensured students understood material, **efficacy of tutorials**.
- Corrected assignments with **great attention to detail** in a **timely manner** so assignments can be returned to students promptly for their review and educational improvement.

Since 05/2020
Ottawa, ON.

Lifeguard & Swim Instructor | City of Ottawa
- Quickly and assertively enforced safety and kept **open communication** with other guards on the pool deck.
- **Continuously evaluated** all swimmers and **built progressions** of skills appropriate to class level.
- Planned classes in advance, and **easily adapted for changes** in scheduling.
- Recognized & understood the problems presented by clients, and **proposed numerous solutions** specific to their situation to help find a solution, leading to **increased customer satisfaction** and a **30% increase in patrons** to the facility.
- Creatively creating links between clients' needs and services offered to **maximize participation** numbers in programs offered.

Since 08/2017
Ottawa, ON.

projects

Electronic Store App | application to sell items from an electronic store
- Implemented **backend system** using Java and **object oriented programming**.
- Built hypothetical **database** of products to simulate sales purchases.
- Implemented **frontend** of the application using **JavaFX**.

ComConnect | platform to automatically assign employees to community projects for CSR policy
- Implemented the web app using **javascript**, **firebase**, and **react.js**.
- Implemented a feature to send confirmation text message to associations and volunteers using **Twilio**.

Spent | budgeting application
- Implemented **horizontally scalable backend infrastructure** using Google's **Firestore API** to collect user data.
- Developed **backend** and **frontend** using Google's **Dart** and **Flutter framework**.

community

Vice-President External - Carleton Artificial Intelligence Society
Vice-President Sponsorship - Carleton Artificial Intelligence Society
- Promote the club among local companies and seek sponsorships.
- Build connections with working professionals and businesses.
- Contact guest lecturers and professionals for worjshops and talks for the society.
- Increase club recognition and popularity and build the CAIS brand.

Since 05/2020
01/2020 - 05/2020

Mentor highschool & freshman girls interested in computer science
- Guided mentees in terms of school work and university program selection.
- Provided tips and suggestions for mentees best success.
- Provide opportunities for mentees such as internships and learning possibilities.
- Supported mentees in achieving their goals.

Since 06/2020

Coding club facilitator - City of Ottawa
- Taught youth how to code at city library.
- Promoted interest in technology and taught using scratch.
- Developed project ideas for youth.

Since 05/2020

languages

`python` `git` `java` `javascript` `CSS` `HTML` `Dart` `SAS`

skills

`object oriented programming` `version control` `app development` `web development`
`bootstrap` `runtime complexity` `discrete structures` `Spark AR` `Twilio`

interests

`backend` `database` `artificial intelligence` `fintech` `client-facing features`
`APIs` `e-commerce` `photography` `fashion` `drawing` `music`