

# Ryan Luk

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## EDUCATION

- York University** Currently **5th year** student; Graduating in **2025**  
Bachelor of Science - Computer Science **GPA: 3.3**  
*Courses: Algorithms, Data Structures, Databases, Human Computer Interaction, Mobile User Interfaces*

## PROJECTS

- Big 2 Companion App** [🔗](#) March 2025  
*Android Studio, Java, RoomDB, ANOVA*
  - Designed and developed a mobile app to assist players while playing the card game Big 2 by tracking scores and game progression.
  - Developed with Java in Android Studio, utilizing XML layouts to design and implement responsive, user-friendly interfaces.
  - Integrated local storage and data persistence, allowing players to save and resume game sessions without data loss.
  - Collaborated in a team to conduct user interviews and usability testing, informing iterative design improvements and game logic refinements.
  - Evaluated app usability through ANOVA and thematic analysis, benchmarking against a spreadsheet-based alternative.
- Bidding Blitz** [🔗](#) November 2024  
*Java Spring Boot, ReactJS, SQLite*
  - Developed RESTful APIs using Java Spring Boot and JPA for efficient data handling.
  - Designed and implemented structured frontend components using ReactJS.
  - Configured SQLite to establish multiple backend database connections.
  - Collaborated with a small team of classmates to define project architecture before implementation.

## WORK EXPERIENCE

- Application Programmer** Sept 2022 - April 2023  
Ontario Ministry of Health *Full Time Co-op*
  - Worked with Microsoft PowerApps to manage Web Application
  - Used SQL to query from the Web Application
  - Utilised Power Automate to create functionality for Web Application
  - Collaborated with a team using Azure DevOps to manage tasks
  - Employed the Software Development Life Cycle (SDLC) throughout the course of the project

## CERTIFICATES

- Microsoft Azure Fundamentals

## SKILLS SUMMARY

- Languages** Java, SQL, JavaScript, TypeScript, Node.js, Python, C#
- Frameworks** React, Android SDK, Flask, Unity
- DevOps** Azure, Microsoft PowerApps, Docker
- Soft Skills** Agile Software Development, Learning and Adaptability, Professional Communication, Time Management