

# Harry Chen

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## Education

**University of Calgary** - *Calgary, Alberta* 2018 – 2023 (Expected)

- B.Sc. in Computer Science and B.A. in Economics GPA: 4.00/4.00
- Coursework: Data Structures & Algorithms, Object Oriented Programming (Java)
- Co-Curricular Activities: Competitive Programming Club, Sophomore Leadership Program

## Skills

**Languages:** (*proficient*): Java, Python (*familiar*): JavaScript, HTML, CSS, ARM Assembly

**Tools and Frameworks:** Git, Eclipse, Command Line, JavaFX, Bootstrap

## Projects

**Tank Royale** – *Java, JavaFX* 2019

- Developed a 2D top down deathmatch multiplayer game using OOP principles.
- Implemented collision detection, bullet ricochet, and maps generated from files.

**Element Crush** – *Python, Pygame* 2019

- Match 3 or more tiles desktop game with combo chains, inspired by Bejeweled.

**Sudoku Solver** – *Java* 2018

- Created a program that solves any sudoku puzzle taken in as a text file.
- Implemented a backtracking sudoku solving algorithm that is run if the puzzle remains unsolved after elimination techniques are executed.

## Employment

**Reference Student Assistant** – *University of Calgary* Sept 2019 – Present

- Independently runs and closes the business library on evenings and weekends.
- Answers citation and research questions about business databases.

**Circulation Student Assistant** – *University of Calgary* Sept 2018 – Aug 2019

- Checked library materials in and out, processed fines, and answered patron questions.

**Retail Customer Service Representative** – *Calgary Zoo* Jul 2018 – Aug 2018

- Processed sales and handled cash at zoo gift shops.
- Assisted customers with their purchases, stocked shelves, and operated the carousel.

**Midway Games Operator** – *Sugar Play Inc.* Jul 2017 / 2018

- Conducted a midway gambling game, monitored bets, and distributed payouts.
- Carefully oversaw the table for cheating in a fast-paced environment.
- Ran carnival games, attracted customers, explained rules, maintained quality customer service, handled cash and change, and restocked prizes.

## Awards

- Dean's List for the Faculty of Science and Faculty of Arts 2019
- Louise McKinney Post-Secondary Scholarship 2019
- President's Admission Scholarship – Entrance average 95%+ 2018
- Scholastic Excellence Award Gr. 12 Math 2018
- Scholastic Excellence Award Gr. 12 Biology 2018
- Lifetime Honour Society Member 2018