

# Harry Chen

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## Education

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**University of Calgary** - *Calgary, Alberta* 2018 – 2022 (Expected)

- Combined B.Sc. in Computer Science and B.A. in Economics GPA: 4.0 / 4.0
- Coursework: Data Structures & Algorithms, Object-Oriented Design, Software Engineering
- Co-Curricular Activities: Competitive Programming Club, Sophomore Leadership Program

## Skills

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

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

## Projects

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**UCollab** - *Python, Flask, SQL Alchemy, HTML, CSS* 2020

- Co-created a web application that provides a platform for interdisciplinary collaboration between students and faculty.
- Built for Calgary Hacks 2020 under a 24-hour time constraint.

**Tank Royale** - *Java, JavaFX* 2019

- Developed a top down tank multiplayer game using object-oriented design principles.
- Implemented animation, collision detection, and bullet ricochet.

**Element Crush** - *Python, Pygame* 2019

- Created a match three or more tiles desktop puzzle game with combo chains.

**Sudoku Solver** - *Java* 2018

- Developed a program that solves any sudoku puzzle taken in as a text file.
- Implemented elimination techniques and a backtracking sudoku solving algorithm.

## Employment

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

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

**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, handled cash, and provided quality customer service.
- Assisted customers with their purchases, stocked shelves, and operated the carousel.

**Midway Games Operator** – *Sugar Play Inc* Jul 2018

- Conducted a midway gambling game, monitored bets, and distributed payouts.
- Carefully oversaw the table for cheating in a fast-paced environment.

## Awards

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| • 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 |