

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, 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 basic 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, shelved books, processed fines, and answered patron questions.

Retail Customer Service Representative – *Calgary Zoo* Jul 2017 – Aug 2018

- Processed sales and handled cash at zoo giftshops.
- 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, distributed payouts, and 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

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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 |
| • Scholastic Excellence Award Gr. 12 Math | 2018 |
| • Scholastic Excellence Award Gr. 12 Biology | 2018 |
| • Lifetime Honour Society Member | 2018 |