Harry Chen

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Education

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

Languages: (*proficient):* Java, Python (*familiar):* JavaScript, HTML, CSS, ARM Assembly
Tools and Frameworks: Git, Eclipse, Command Line, JavaFX, Bootstrap

Projects

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

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

- 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