Sunny Hoang

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EDUCATION

University of Calgary — Calgary, AB
Bachelors of Science in Computer Science — *Sept. 2022 – May 2026*

COMPETITIONS AND PROJECTS

Pulse Pursuit | *Python* — November 2023
- Developed a game at the natHacks 2023 hackathon with 4 other teammates
- The objective is to escape the wrath of the monster within 5 minutes while remaining calm by maintaining consistent heart rate (50% win rate)
- Implemented the use of a Samsung Galaxy Watch to record heart rate in order to create an immersive gameplay full of jump-scares and puzzles
- Used the pygame library to create a terrifying 2-D RPG

Heart-rate Monitor | *Python* — December 2023 – May 2024
- A health app that seeks to analyze 100% heart rate data and provide statistics
- Developed using the library from the 2023 natHacks to record heart rate data from a Samsung Galaxy Watch
- Implemented 4 features of the app including a live reading, data visualization, data analysis, and alert system

Website Portfolio | *HTML, CSS, JavaScript* — July 2024
- Created my own minimalist website portfolio to show off all the projects and competitions I have done so far
- Implemented interactive web elements such as buttons, smooth scrolling, hamburger menu, and link directories
- Implemented both a mobile and desktop version of the website

Snake Run | *C* — March 2024 – April 2024
- Developed a game with a friend for a school assignment
- Utilizes a bare metal Raspberry Pi module to run the game
- The game is an expanded version of the classic snake game where your objective is to escape from enemies and obstacles along the way
- Utilizes an SNES controller connected to the Pi module to control the snake

Self-Checkout | *Java* — October 2023 – December 2023
- Developed a grocery self-checkout software with a varying team of three iterations for a school project
- Interactive buttons with audio and visual queues with the use of Java Swing library
- Meant to simulate a real-world software engineering experience of dynamic teams and requirements
- Applied object-oriented programming principles learned in the classroom

WORK HISTORY

Store Associate — September 2021 – August 2022
T&T Supermarket — *Calgary, AB*
- Worked as a grocer attendant for 11 months assisting in stocking and customer service
- Handled 95% of English speaking customer inquiries for a customer demographic that is majority Chinese
- Communicated and helped with colleagues when they needed help for a specific job

Service Attendant — July 2023
Calgary Stampede — *Calgary, AB*
- Assigned to the Big Four facility where 30% of all total attraction for patrons were at
- Helped patrons with trouble they had with cleanliness and maintenance
- Assisted colleagues with major maintenance of 90% of the facility and patron inquiries

TECHNICAL SKILLS

Languages: Java, Python, C, HTML, CSS