

# Billy Pak Lam Lee

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## CAREER OBJECTIVES

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Seeking for a software/web development position that allows me to make use of my various CS and web development skills learnt from projects and University.

## EDUCATION

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- **University of Waterloo** Ontario, Canada
  - *Honours Bachelor of Mathematics(Computational Mathematics) - Third Year* *Sep. 2020 – Present*
    - Cumulative GPA: 88.32
    - Relevant Courses: Object-Oriented Software Development, Data Types and Structures, Designing Functional Programs, Elementary Algorithm Design and Data Abstraction, Logic and Computation, Introduction to Computers and Computer Systems

## PROJECTS

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- **Sudoku Solver - Python** Implemented using the backtracking algorithm.
- **Watcard Transactions and Balance Checker - Python** Scraped Watcard transactions and balances using Selenium, then used matplotlib to create a frequency graph for the transactions.
- **Connect-X Game - Python** A variation of the Connect-4 game but with customizable board size and win condition.
- **Calculator - HTML/CSS/JavaScript** Created a basic calculator webpage.
- **Etch A Sketch - HTML/CSS/JavaScript** Created an Etch A Sketch webpage that lets the user draw whatever they want.

## EXPERIENCE

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- **Hanabusa Japan Real Estate** Japan (Remote)
  - *Data Entry Automator* *Sep 2020 - Sep 2021*
    - **Web Scraping and Data Entry Automation, Residential Properties**
      - \* Extracted residential property information and images from a Japanese real estate website (homes.co.jp) using BeautifulSoup4 and entered them into the company website (hanabusa-realty.com) using Selenium in Python.
      - \* Saved up to 60 hours of manual labor per month.
    - **Web Scraping, Investment Properties**
      - \* Extracted investment property information from a Japanese investment property website (system.reins.jp).
      - \* Wrote a Python script that converted PDF files (Information taken from the website) into HTML files. Then, Selenium was used to select essential property information (over 30 fields) from the HTML file.
      - \* Saved up to 60 hours per month when compared to manually extracting information.
- **Walmart** Ontario, Canada
  - *Meat Associate (Part Time)* *Jun 2021 - Aug 2021*
    - **Meat Stocking**
      - \* Responsible for stocking and rotating meat products on product shelves.

## SKILLS

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- **Programming Languages:** Python, Javascript, C++, C, Bash, HTML, CSS, Ruby, R, MIPS Assembly, Racket, LaTeX
- **Technologies and Tools:** Selenium, BeautifulSoup4, Git, Adobe Photoshop, Adobe Premiere, MS Office Suite
- **Hobbies and Interests:** Keyboard Building, USB 2.0 Cable Soldering, Badminton, Japanese Culture